



AND UNUSUAL WEATHER PHENOMENA WITH LATE REPORTS AND CORRECTIONS





NATIONAL ENVIRONMENTAL SATELLITE DATA, AND INFORMATION SERVICE

NATIONAL CLIMATIC DATA CENTER ASHEVILLE, N.C.

Cover: An aerial view of the town of Comfrey, in South Central Minnesota after being decimated by an F4 tornado. The F4 (wind speeds between 157-206 mph) tornado damaged 75% of the town, destroying much of the downtown section. The total path length of the tornado was 73 miles with a maximum path width of 1.25 miles. A total of 7 tornadoes killed two people, injured 21 and caused nearly 250 million dollars in property damage. (*Photograph courtesy of The Star-Tribune, Minneapolis, Minnesota.* © 1998 All rights reserved.)

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STORM DATA

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The Storm Data and Unusual Weather Phenomena narratives and Hurricane/Tropical Storm summaries are prepared by the National Weather Service. Monthly and annual statistics and summaries of tornado and lightning events resulting in deaths, injuries, and damage are compiled by cooperative efforts between the National Climatic Data Center and the Storm Prediction Center.

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

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

Except for limited editing to correct grammatical errors, materials submitted are generally published as received.

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

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

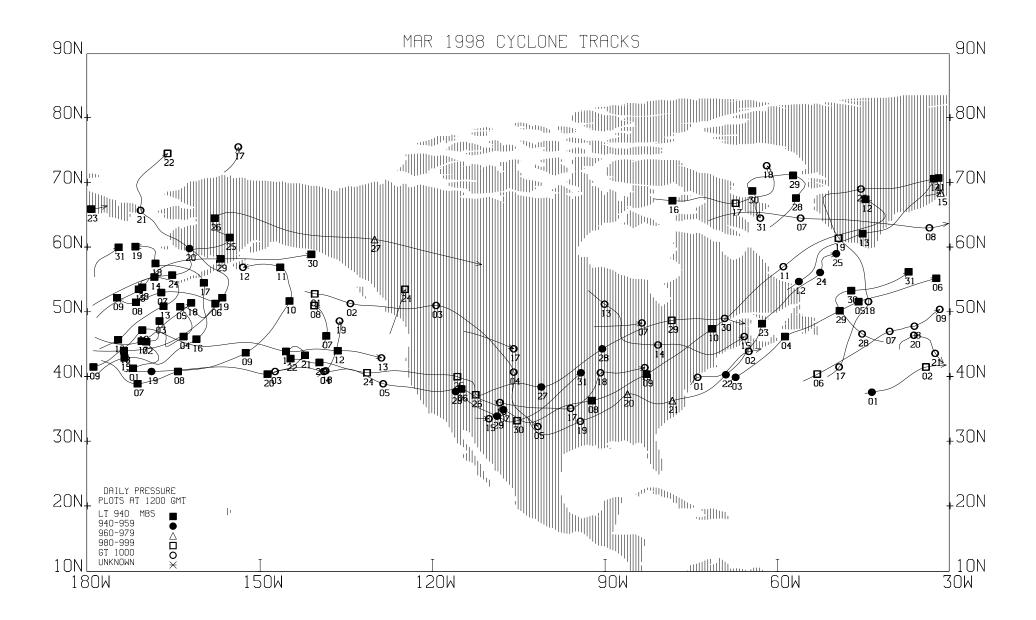
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Any such items received by the editor will be for use in **STORM DATA** only. Any other use will be with the permission of the owner of said items. Materials submitted will be returned if requested in the original submission.

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

hours R9

Thomas R. Karl Director, National Climatic Data Center



March 1998 Confirmed Tornadoes



OUTSTANDING STORMS OF THE MONTH

1. TORNADO CAUSES DAMAGE IN NORTHEAST GEORGIA

Early on the morning of March 20, 1998, a surface low pressure system was located in central Kentucky with it's associated cold front draped southward through Tennessee, Northwest Georgia and Alabama. Severe thunderstorms developed ahead of the cold front and a tornado spawned from one of the cells. The funnel touched down at 6:25 AM LST in Hall County near the town of Murrayville, Georgia (About 10 miles NNE of Gainesville, GA). The tornado track was 13 miles long and up to 200 yards wide at some points. Several permanent homes, mobile homes, automobiles and poultry farms were damaged or destroyed. The tornado also severely damaged an elementary school and a high school in Hall County. The tornado caused 12 fatalities (11 occurred in mobile homes), 171 injuries and 20 million dollars in property damage.

Below: Neighborhood residents search through the rubble for personal belongings.

(Hall and White County Photographs courtesy of Jim Cook Jr., The Times, Gainesville, Georgia)



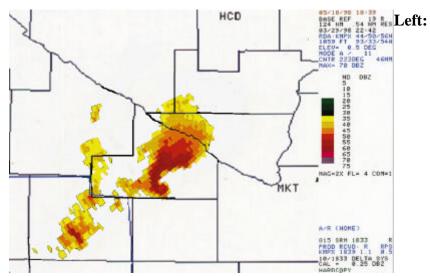


- Above: The twisted remains of the North Hall High School auditorium. If the tornado struck an hour later, the classrooms would have been full of students and the death toll could have been much higher.
- **Below:** One of the destroyed permanent homes along with two severely damaged automobiles.



2. F4 TORNADO TOUCHES DOWN IN SOUTH CENTRAL MINNESOTA

In an area not known for early spring tornadoes, seven tornadoes including a powerful F4 tornado, (wind speed of 207 - 260 mph on the Fujita Scale) struck the northern plains. On March 29, 1998, a surface low pressure area was located in eastern South Dakota with an associated warm front extending eastward into Wisconsin. A thunderstorm complex developed near Sioux Falls, SD during the early afternoon hours and moved east into Minnesota, producing large hail. The thunderstorm cells produced a series of small tornadoes prior to producing an F3 tornado at 3:50 PM CST, 7 miles east of Avoca, MN. The tornado moved east-northeast through Cottonwood County, damaging rural farms, small towns and devastating much of the town of Comfrey, MN. The tornado reached F4 strength before dissipating at 5:15 PM CST. Another tornado touched down at 5:18 PM CST, producing F3 damage to the city of St. Peter and Gustavius Adolphus College. There were 2 fatalities and 21 injuries.



This radar image shows a perfect example of a well defined "hook echo". The WSR-88D Doppler Radar identifies the heaviest or most dense rainfall with darker shades. The "hook" is a signature used by the NWS to identify possible tornadic thunderstorm cells. Tornado warnings are issued based on the hook echo signature. The NWS recorded this image of the hook echo on March 29 at 5:22 PM CST (22:42 UTC). (*Radar image courtesy of the NWS, Chanhassan, MN*)

Below Left: Volunteer rescue workers and residents of the town of Comfrey, MN inspect the tornado damage, shortly after the tornado passed.

Below Right: A resident of the town of St. Peter, MN sifts through the debris for personal belongings. Ninety percent of the towns homes were damaged and 25% were destroyed.

(All southern Minnesota tornado photographs are courtesy of the Star-Tribune, Minneapolis, MN. ©1998 Special Thanks to Todd Krause, NWS, Chanhassen, MN for contributing to this story)





| | | Time Local/ | Path Length | Path Width | Numbe Persor | | Estimate Damag | | March 1 | 1998 |
|-------------------------------|---------------------|-----------------------------------|-------------------|------------------|---------------------|-------------|-------------------|-------------|--|-------|
| Location | Date | Standard | Length (Miles) | (Yards) | Killed | Injured | 0 | e Crops | Character of Storm | |
| LABAMA, North (| Central | | | | | | | | | |
| Lamar County | | | | | | | | | | |
| Millport | 06 Golf t | 0105CST ball size hail w | | n Millport. | 0 | 0 | 3К | 0 | Hail (1.75) | |
| Tuscaloosa County | 07 | 0125007 | F | | ٥ | 0 | 317 | 0 | TT (1 = 7) | |
| Moores Bridge | 06 Golf t | 0135CS all size hail w | | d, near Moores | 0 Bridge. | 0 | 3K | 0 | Hail (1.75) | |
| Winston County | 0.6 | 0045000 | F | | 0 | 0 | ٥ | 0 | | |
| Double Spgs | 06 Dime | 0345CS size hail was i | | e EMA. | 0 | 0 | 0 | 0 | Hail (0.75) | |
| Talladega County | 07 | 040000 | F | | ٥ | 0 | ٥ | 0 | | |
| Sylacauga Talladega County | 06 | 0420CST | L | | 0 | 0 | 0 | 0 | Hail (0.75) | |
| Fayetteville | 06 | 0427CST | Г | | 0 | 0 | 3K | 0 | Hail (1.75) | |
| 1 uj ette (inte | | | | lacauga and go | lf ball size hail | | | | | |
| Randolph County | | | | | | | | | | |
| Countywide | 08 | 0800CST 1100CST | Г | | 0 | 0 | 500K | 30K | Flash Flood | |
| | | a very heavy 1 20 roads and b | | | cluding Wedow | vee and V | Vehadkee Cree | ks, ovei | flowed their banks. This washe | ed ou |
| Barbour County | | | | | | | | | | |
| Countywide | 08 | 0900CST 1500CST | | | 0 | 0 | 75K | 10K | Flash Flood | |
| | | heavy rains ov ue to the flood | | bama, several r | oads were wash | ed out in | the southern p | art of th | he county. Schools were closed | l for |
| Pike County | | | C | | | | | | | |
| Countywide | 08 | 0915CST | | | 0 | 0 | 75K | 10K | Flash Flood | |
| | | • | s were washe | | e than five incl | nes of rai | n fell over the | souther | n part of the county. Several sc | chool |
| Duccoll County | were a | also closed due | e to the flood | ng. | | | | | | |
| Russell County Countywide | 08 | 0930CST | Г | | 0 | 0 | 75K | 10K | Flash Flood | |
| - | a | 1500CST | | | | | | | | |
| | Some | schools were | closed after h | eavy rains mov | red over the cou | nty. Hol | land Creek floo | oded an | d washed out a few roads. | |
| Lowndes County Lowndesboro | 08 | 1507CST | г | | 0 | 0 | 0 | 0 | Hail (1.00) | |
| Lownuesboro | | he size of quar | | wndesboro. | Ū | Ū | Ŭ | Ū | Hum (1000) | |
| Autauga County | | | | | | | | | | |
| Prattville | 08 Dime | 1521CS size hail was 1 | | attville. | 0 | 0 | 0 | 0 | Hail (0.75) | |
| Jackson County | | | | | | | | | | |
| Bridgeport | 08 Dime | 1631CS size hail was a | | ridgeport by the | 0 police. | 0 | 0 | 0 | Hail (0.75) | |
| Madison County | | | | - | | | | | | |
| Meridianville | 08 | 1655CST | Г | | 0 | 0 | 0 | 0 | Hail (0.75) | |
| Madison County | | | _ | | | | | | | |
| Meridianville | | | | at Meridian | 0 Street and Ala | 0 bama A | 2K & M Univers | 0 ity. D | Thunderstorm Wind (G5 ime size hail was also reported | |
| AT 7044 | | ianville. | | | | | | | | |
| ALZ044 | | gomery 1700CST | Г | | 0 | 0 | 35K | 0 | Flood | |
| | 13 | 1500CST | Г | | | | | | | |
| | area. | Some roads | in the area | became floode | d as well as th | he golf o | course at Max | well A | iderable overflow of lowlands i FB. Compounding the proble ential flooding likely occurred i | ems i |
| Madison County | | | | | | | | | | |
| Brownsboro | 08 | 1715CST | г | | 0 | 0 | 0 | 0 | Hail (0.88) | |

| | | Time Local/ | Path Length | Path Width | Number Persor | | Estimate Damag | | | March 1998 |
|--|----------------------|-----------------------------------|--|-------------------|----------------------------|--------------------|------------------------|-------------------|---|---------------|
| Location | Date | Standard | (Miles) | (Yards) | | Injured | 0 | Crops | Character of Storm | |
| ALABAMA, North C | <u>entral</u> | | | | | | | | | |
| Madison County New Market | 08 Nickel | 1716CS to quarter siz | | ported in Browr | 0 Isboro and New | 0 Market. | 0 | 0 | Hail (1.00) | |
| Montgomery County Montgomery | 08 Nicke | 1730CS l size hail was | | ide the city limi | 0 ts of Montgome | 0 ery. | 0 | 0 | Hail (0.88) | |
| Elmore County 3 E Wetumpka | 08 Hail ti | 1740CS he size of nick | | rted just east of | 0 Wetumpka. | 0 | 0 | 0 | Hail (0.88) | |
| Tallapoosa County Alexander City | 08 Dime | 1810CS size hail was | | lexander City. | 0 | 0 | 0 | 0 | Hail (0.75) | |
| ALZ043 | farm | 2100CS 0800CS ing along the | Г lower Tallar the area and | forcing the ev | | | | | Flood allapoosa Water Pla roads in the area, su | |
| Franklin County Hodges Franklin County | 19 | 1944CST | | | 0 | 0 | 0 | 0 | Hail (1.00) | |
| 3 SW Phil Campbell Franklin County Phil Campbell | 19 19 Hail th | 1950CST 1954CST | Г | s was reported i | 0 0 n Hodges, Shad | 0 0 Iv Grove | 0 0 and Phil Cam | 0 0 phell i | Hail (1.00) Hail (0.88) n the southern part o | f the county |
| Marion County 6 SW Hackleburg | 19 | 1944CS | Г | orted in Antioch | 0 | 0 | 0 | 0 | Hail (1.00) | i die county. |
| Franklin County Russellville | 19 | 1959CST | Г | n Russellville, i | 0 | 0 | 0 | 0 | Hail (1.00) | |
| Winston County Haleyville | 19 | 2002CS size hail was i | Г | | 0 | 0 | 0 | 0 | Hail (0.75) | |
| Lawrence County Mt Hope | 19 | 2012CST | Г | | 0 | 0 | 0 | 0 | Hail (0.75) | |
| Lawrence County Hatton | 19 Dime | 2015CS size hail was c | | ground near Mt. | 0 Hope and Hatte | 0 on in the | 0 western part o | 0 f the co | Hail (0.75) | |
| Marion County Guin | 19 Penny | 2047CS size hail was | | Guin. | 0 | 0 | 0 | 0 | Hail (0.75) | |
| Lamar County Millport | 19 | 2049CST | Г | | 0 | 0 | 0 | 0 | Hail (0.75) | |
| Lamar County Sulligent | 19 Dime | 2050CS size hail was r | | ss the entire cou | 0 nty, especially i | 0 in Millpo | 0 rt and Sulliger | 0 it. | Hail (0.75) | |
| Limestone County 5 NE Athens | 19 Dime | 2057CS size hail was | | heast of Athens | 0 by the state troo | 0 opers. | 0 | 0 | Hail (0.75) | |
| Fayette County Fayette | 19 A few | 2100CS | | e down in Fayet | 0 te. | 0 | 3К | 0 | Thunderstorm | Wind (G50) |
| Madison County Harvest | 19 | 2112CS | | | 0 | 0 | 0 | 0 | Hail (0.75) | |
| Madison County Toney | 19 | 2112CS | Г | | 0 | 0 | 0 | 0 | Hail (0.75) | |

| | 5 | Time Local/ | Path Length | Path Width | Number Persor | | Estimate Damag | | | March 1998 |
|--------------------------------|----------------|------------------------------------|----------------|--------------------|----------------------|-----------|-------------------|----------|------------------------|------------------|
| Location | Date | Standard | (Miles) | (Yards) | Killed | Injured | 0 | Crops | Character of Storm | |
| ALABAMA, North | <u>Central</u> | | | | | | | | | |
| Madison County | | | | | | | | | | |
| Hazel Green | 19 Dimo | 2124CST | | | 0 | 0 | 0 | 0 | Hail (0.75) | |
| Winston County | Dime | size nail was ro | eported in Ha | irvest, Toney, ar | d Hazel Green | in the w | estern and nor | inern pa | arts of the county. | |
| Double Spgs | 19 | 2120CST | ſ | | 0 | 0 | 0 | 0 | Hail (1.00) | |
| 18 | Dime | to quarter size | e hail was rep | orted just east of | Double Sprin | gs. | | | (, | |
| Walker County | 10 | 2120 CC7 | | | 0 | 0 | | 0 | | |
| Carbon Hill | 19 Hail th | 2120CST he size of golf | | orted near Carb | 0 on Hill. | 0 | 3K | 0 | Hail (1.75) | |
| Winston County | | 0 | | | | | | | | |
| Haleyville | 19 | 2135CST | | | 0 | 0 | 0 | 0 | Hail (0.75) | |
| a n a i | Dime | size hail was r | reported in Ha | aleyville. | | | | | | |
| Cullman County Jones Chapel | 19 | 2148CST | г | | 0 | 0 | 0 | 0 | Hail (0.75) | |
| Cullman County | 17 | 2140001 | L | | U | U | U | U | Hall (0.75) | |
| Battleground | 19 | 2202CST | Г | | 0 | 0 | 0 | 0 | Hail (0.88) | |
| Cullman County | | | | | | | | | | |
| Cullman | 19 Dima (| 2207CST | | utad in maatama | 0 nd control Cull | 0 | 0 | 0 | Hail (0.75) | |
| Tuscaloosa County | Dime | to mcker size i | ian was repoi | rted in western a | na central Cul | man Cou | inty. | | | |
| Northport | 19 | 2200CST | Г | | 0 | 0 | 0 | 0 | Hail (1.00) | |
| Tuscaloosa County | | | | | | | | | × / | |
| Tuscaloosa | 19 | 2207CST | Г | | 0 | 0 | 0 | 0 | Hail (1.00) | |
| Tuscaloosa County | 10 | 001/007 | | | 0 | • | 0 | 0 | | |
| Tuscaloosa | 19 | 2216CST | Ľ | | 0 | 0 | 0 | 0 | Hail (0.75) | |
| Tuscaloosa County Fosters | 19 | 2224CST | ſ | | 0 | 0 | 0 | 0 | Hail (0.75) | |
| Tuscaloosa County | | | | | | | | | | |
| Tuscaloosa | 19 | 2230CST | | | 0 | 0 | 0 | 0 | Hail (0.75) | |
| | | to quarter size g through the o | | ported in and ar | ound the city of | of Tusca | loosa, Northpo | rt and 1 | Fosters with a line of | of thunderstorms |
| | moving | g unougn me o | county. | | | | | | | |
| Madison County | | | | | | | | | | |
| Huntsville | 19 | 2234CST | | | 0 | 0 | 0 | 0 | Hail (0.75) | |
| | Dime | size hail was r | reported in H | untsville. | | | | | | |
| Madison County New Hope | 19 | 2239CST | г | | 0 | 0 | 382K | 0 | Thunderstorm | Wind (C65) |
| New Hope | | | | s were destroyed | * | | | | ninor damage in the | |
| Marshall County | | | | | | | | | | |
| Grant | 19 | 2245CST | | | 0 | 0 | 0 | 0 | Thunderstorm | Wind (G55) |
| Marchall County | There | were a few tre | es blown dov | wn, and damage | was reported t | o a few p | orcnes north o | I Grant | | |
| Marshall County Arab | 19 | 2258CST | Г | | 0 | 0 | 0 | 0 | Hail (0.75) | |
| | | size hail was r | | rab. | | | | | (00.0) | |
| Jefferson County | | | | | | | | | | |
| Hueytown | 19 Dime | 2307CST size hail was r | | uevtown | 0 | 0 | 0 | 0 | Hail (0.75) | |
| Jackson County | Dime | Size null was I | eported in H | <i>acy</i> town. | | | | | | |
| Skyline | 19 | 2310CST | Г | | 0 | 0 | 0 | 0 | Thunderstorm | Wind (G65) |
| | At lea | st two trailers | were destroy | ed in Skyline. | | | | | | |
| Bibb County | 10 | 1115000 | r | | Δ | 0 | Δ | • | II I (0.00) | |
| Centreville | 19 Nicke | 2315CST l size hail was | | Centreville. | 0 | 0 | 0 | 0 | Hail (0.88) | |
| Jackson County | | | r | | | | | | | |
| Bridgeport | 19 | 2330CST | | | 0 | 0 | 0 | 0 | Hail (0.75) | |
| | Dime | size hail was r | reported in Bi | ridgeport. | | | | | | |

| | | Time Local/ | Path Length | Path Width | Number Persor | | Estimate Damag | | | March 1998 |
|--------------------------------------|----------------------|-----------------------------|-------------------|--------------------------------------|--------------------------|-----------------|-----------------------------|---------------|---------------------------------------|-------------------|
| Location | Date | Local/ Standard | Length (Miles) | (Yards) | | is Injured | 0 | e Crops | Character of Storm | |
| ALABAMA, North C | entral | | | | | | | | | |
| Shelby County | | | | | | | | | | |
| 6 NW Chelsea | 19 | 2337CST | [| | 0 | 0 | 0 | 0 | Hail (0.75) | |
| Shelby County | 10 | 224500 | | | ٥ | 0 | 20017 | 0 | | |
| 6 NW Chelsea | | | eported in In | verness. A dow | | | | 0 ion at U | Thunderstorm JS 280 and AL 119. | |
| Etowah County | | | | | | | | | | |
| Gallant | 19 Dime | 2357CST size hail was r | | allant, in the sou | 0 thwest part of | 0 the coun | 0 ty. | 0 | Hail (0.75) | |
| Dallas County | 20 | 0010057 | ۰ | | 0 | 0 | ٥ | 0 | Heil (1 75) | |
| Pleasant Hill | 20 Golf t | 0010CST all size hail w | | rom Pleasant Hil | 0 l to Polk. | 0 | 0 | 0 | Hail (1.75) | |
| St. Clair County Logan Martin Res | 20 | 0013CST | ب | | 0 | 0 | 0 | 0 | Hail (0.75) | |
| Talladega County | _5 | | | | v | | v | v | | |
| 7.5 NW Alpine | 20 Dime : | 0014CST size hail was r | | ogan Martin Dan | 0 1. | 0 | 0 | 0 | Hail (0.75) | |
| Dekalb County | • • | | _ | | | | | | | |
| Rainsville | 20 | 0020CST | ľ | | 0 | 0 | 0 | 0 | Hail (0.75) | |
| Dekalb County Ft Payne | 20 Dime : | 0027CST size hail was r | | unsville and For | 0 t Payne. | 0 | 0 | 0 | Hail (0.75) | |
| Coosa County | | | 1 | | 5 | | | | | |
| 10 NW Rockford | 20 Hail tl | 0025CST he size of quar | | orted in Weogufl | 0 ta in the northe | 0 ern part o | 0 of the county. | 0 | Hail (1.00) | |
| Talladega County | | | | | | | | | | |
| 11 SW Sylacauga | 20 Dime | 0040CST size hail was r | | interboro in the | 0 western part of | 0 f the cou | 0 nty. | 0 | Hail (0.75) | |
| Lowndes County | 20 | 0050007 | | | 0 | 0 | ٥ | 0 | H (1.05) | |
| Lowndesboro | 20 Half d | 0050CST lollar size hail | | in Lowndesboro | 0 D. | 0 | 0 | 0 | Hail (1.25) | |
| Elmore County | • | 0100.007 | | | 0 | | | 0 | | |
| 3 SW Millbrook | 20 A 30 t | 0100CST to 40 foot ante | | vn down and nur | 0 merous trees w | 0 ere blow | 5K n down in a pa | 0 th abou | Thunderstorm t 150 yards long. | Wind (G55) |
| Montgomery County Hope Hull | 20 | 0105CS7 | [| | 0 | 0 | 0 | 0 | Hail (1.25) | |
| Montgomery County Montgomery | 20 | 0125CST | [| | 0 | 0 | 4K | 0 | Hail (1.75) | |
| Montgomery County Montgomery | 20 | 0128CST | [| | 0 | 0 | 0 | 0 | Hail (0.88) | |
| Montgomery County | • • | | _ | | | | | | | |
| Mt Meigs | | | was reported | in Hope Hull, g e size hail was r | | 1 | | 0 nnelley | Hail (0.75) Field, nickel size hai | l was reported in |
| Macon County | | | <i>,,</i> | | 1 | 80 | | | | |
| Tuskegee | 20 Dime | 0215CST size hail was 1 | | e western parts o | 0 of Tuskegee. | 0 | 0 | 0 | Hail (0.75) | |
| Lee County | | | _ | | | | | | | |
| Marvyn | 20 Dime | 0259CST size hail was 1 | | e Marvin comm | 0 unity. | 0 | 0 | 0 | Hail (0.75) | |
| ALABAMA, Southea | | | | | - | | | | | |
| ALZ066 | Dale | | | | | | | | | |
| | 05 | 1615EST 1630EST | | | 0 | 0 | 70K | | High Wind | |

One half of tin roof blown off a furniture manufacturing plant one mile north of Ozark. Numerous large tree limbs snapped near Industrial Park. Quarter sized hail and wind gusts to 47 mph observed by EOC officials in Ozark. Lightning struck and destroyed a home four miles northeast of Ozark.

| | | Time | Path | Path | | ber of | Estima | ited | | March 1998 |
|--|---|---|---|--|---|--|---|---|--|---|
| Location | Date | Local/ Standard | Length (Miles) | Width (Yards) | Per Killed | sons Injured | Dama Property | ge Crops | Character of Storm | |
| ALABAMA, Southe | oct | Standard | (inites) | (Tards) | Itilieu | injureu | Topenty | crops | | |
| ALZ065-068 | | e - Geneva | | | | | | | | |
| | 08 | 0635EST 0640EST | ſ | | 0 | 0 | 20K | | High Wind | |
| Coffee Country | Numer | ous trees and | power lines c | lown countywic | ie. | | | | | |
| Coffee County Elba | 08 | 1030EST 1800EST | | | 4 | 0 | 105M | | Flash Flood | |
| | Dam C Nearly River a Coffee | rous Gulf sto Creek breache 400 homes a at Elba creste | orm dumped u ed. A six foc and businesses ed near 39.3 f declared a fed | ot wall of water s sustained floo | r rushed into d damage. A 9. Four peop | the city of the ci | of Elba. Two tely 52 county | thousan y roads w | nty. The earthen le d residents were for vere washed out or les were swept awa | rced to evacuate flooded. The Pe |
| ALZ066 | Dale | 1100507 | r. | | 0 | 0 | 117 | | *** 1 **** 1 | |
| | 08 Large t | 1100EST trees down alo | ong County R | oad 23. | 0 | 0 | 1K | | High Wind | |
| ALZ066>069 | - | | eneva - Hou | | 0 | 0 | 230M | | Flood | |
| | county | roads and cl | osed State Hi | | | | | | 85 homes, washed | |
| | feet on homes | March 9. In sustained floo | Houston Cou od damage. In | Malvern, Slocor inty, 60 roads w n Dale County, | mb, Geneva, /ere closed. numerous co | and Samso At Cottony ounty and st | on. The Choc vood, several ate roads wer | tawhatch families e floodec | ee River at Geneva were evacuated. A l. Between 300 and | crested near 39. pproximately 17 400 homes were |
| | feet on homes damage to coun | March 9. In sustained floo ed. The Choc | Houston Cou od damage. In tawhatchee R | Malvern, Slocor inty, 60 roads w n Dale County, | mb, Geneva, vere closed. numerous co crested near | and Samso At Cottony ounty and st | on. The Choc vood, several ate roads wer | tawhatch families e floodec | ee River at Geneva were evacuated. A | crested near 39. pproximately 17 400 homes were |
| · · · · · · | feet on homes damage to coun | March 9. In sustained floo ed. The Choc | Houston Cou od damage. In tawhatchee R | Malvern, Slocor inty, 60 roads w n Dale County, liver at Newton | mb, Geneva, vere closed. numerous co crested near | and Samso At Cottony ounty and st | on. The Choc vood, several ate roads wer | tawhatch families e floodec | ee River at Geneva were evacuated. A l. Between 300 and | crested near 39. pproximately 17 400 homes were |
| | feet on homes damage to coun | March 9. In sustained floc ed. The Choc ity roads alon 1303CS 7 | Houston Cou od damage. In tawhatchee R e was estimate | Malvern, Slocor inty, 60 roads w n Dale County, liver at Newton | mb, Geneva, vere closed. numerous co crested near | and Samso At Cottony ounty and st | on. The Choc vood, several ate roads wer | tawhatch families e floodec | ee River at Geneva were evacuated. A l. Between 300 and | crested near 39. pproximately 17 400 homes were |
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| Mobile County Saraland Mobile County | feet on homes a damage to coun vest 05 Quarte | March 9. In sustained floc ed. The Choc ty roads alon 1303CST 1305CST r size hail wa | Houston Cou od damage. In tawhatchee R e was estimate r r s reported aro | Malvern, Slocor unty, 60 roads w n Dale County, tiver at Newton ed near \$440,00 | mb, Geneva, vere closed. numerous co crested near 00. 0 The hail accu | and Samso At Cottony unty and st 34.6 feet (0 umulated to | on. The Choc vood, several ate roads wer hird highest) | tawhatch families e floodec on Marcl | tee River at Geneva were evacuated. A l. Between 300 and h 9. In Henry Coun Hail (1.00) es in places. | crested near 39. pproximately 17 400 homes were |
| Mobile County Saraland | feet on homes damage to coun vest 05 Quarte 05 | March 9. In sustained floc ed. The Choc ty roads alon 1303CS7 1305CS7 r size hail wa 1325CS7 1327CS7 | Houston Cou od damage. In etawhatchee R e was estimate r s reported aro | Malvern, Slocor inty, 60 roads w n Dale County, tiver at Newton ed near \$440,00 | mb, Geneva, vere closed. numerous co crested near 00. 0 The hail accu 0 | and Samso At Cottony unty and st 34.6 feet (1 0 umulated to 0 | on. The Choc vood, several ate roads wer hird highest) | tawhatch families e floodec on Marcl | tee River at Geneva were evacuated. A l. Between 300 and h 9. In Henry Coun Hail (1.00) | crested near 39. pproximately 17 400 homes were |
| Mobile County Saraland Mobile County Creola | feet on homes damage to coun vest 05 Quarte 05 | March 9. In sustained floc ed. The Choc ty roads alon 1303CS7 1305CS7 r size hail wa 1325CS7 1327CS7 | Houston Cou od damage. In etawhatchee R e was estimate r s reported aro | Malvern, Slocor unty, 60 roads w n Dale County, tiver at Newton ed near \$440,00 | mb, Geneva, vere closed. numerous co crested near 00. 0 The hail accu 0 | and Samso At Cottony unty and st 34.6 feet (1 0 umulated to 0 | on. The Choc vood, several ate roads wer hird highest) | tawhatch families e floodec on Marcl | tee River at Geneva were evacuated. A l. Between 300 and h 9. In Henry Coun Hail (1.00) es in places. | crested near 39. pproximately 17 400 homes were |
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| Mobile County Saraland Mobile County Creola Baldwin County Stockton | feet on homes damage to coun vest 05 Quarte 05 Nickel 05 | March 9. In sustained floc ed. The Choc ty roads alon 1303CS7 1305CS7 r size hail wa 1325CS7 1327CS7 to dime size 1330CS7 1331CS7 | Houston Cou od damage. In tawhatchee R e was estimate r r s reported aro r hail was report reported alon r | Malvern, Slocor unty, 60 roads w n Dale County, tiver at Newton ed near \$440,00 pund Saraland. rted just northea | mb, Geneva, vere closed. numerous co crested near 00. 0 The hail accu 0 ast of Creola. 0 | and Samso At Cottony unty and st 34.6 feet (0 umulated to 0 | on. The Choc vood, several ate roads wer hird highest) | tawhatch families e floodec on Marcl | tee River at Geneva were evacuated. A l. Between 300 and h 9. In Henry Coun Hail (1.00) es in places. Hail (0.88) | crested near 39. pproximately 17 400 homes were |
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| Mobile County Saraland Mobile County Creola Baldwin County Stockton Washington County Fruitdale Escambia County | feet on homes : damage to coun vest 05 Quarte 05 Nickel 05 Nickel 05 Quarte 05 | March 9. In sustained floc ed. The Choc ty roads alon 1303CS7 1305CS7 r size hail wa 1325CS7 1327CS7 to dime size 1330CS7 1331CS7 size hail was 1430CS7 1431CS7 r size hail wa 1430CS7 1431CS7 | Houston Cou od damage. In tawhatchee R e was estimate r r s reported aro r f r reported alon r s reported alon r s reported jus | Malvern, Slocor inty, 60 roads w n Dale County, tiver at Newton ed near \$440,00 pund Saraland. rted just northea ng I-65 near the t south of Fruite | mb, Geneva, /ere closed. numerous co crested near 00. 0 The hail accu 0 ast of Creola. 0 Stockton exi 0 dale. | and Samso At Cottony unty and st 34.6 feet (1 0 umulated to 0 t. 0 t. | on. The Choc vood, several ate roads wer hird highest) | tawhatch families e floodec on Marcl | tee River at Geneva were evacuated. A l. Between 300 and h 9. In Henry Coun Hail (1.00) ts in places. Hail (0.88) Hail (0.88) Hail (1.00) | crested near 39. pproximately 17 400 homes wer |
| Mobile County Saraland Mobile County Creola Baldwin County Stockton Washington County Fruitdale Escambia County Poarch | feet on homes : damage to coun vest 05 Quarte 05 Nickel 05 Nickel 05 Quarte 05 | March 9. In sustained floc ed. The Choc ty roads alon 1303CS7 1305CS7 r size hail wa 1325CS7 1327CS7 to dime size 1330CS7 1331CS7 size hail was 1430CS7 1431CS7 r size hail wa 1430CS7 1431CS7 | Houston Cou od damage. In tawhatchee R e was estimate r r s reported aro r r hail was report reported alon r s reported alon r r s reported jus | Malvern, Slocor inty, 60 roads w n Dale County, tiver at Newton ed near \$440,00 pund Saraland. rted just northea ng I-65 near the t south of Fruite | mb, Geneva, /ere closed. numerous co crested near 00. 0 The hail accu 0 ast of Creola. 0 Stockton exi 0 dale. | and Samso At Cottony unty and st 34.6 feet (1 0 umulated to 0 t. 0 t. | on. The Choc vood, several ate roads wer hird highest) | tawhatch families e floodec on Marcl | tee River at Geneva were evacuated. A l. Between 300 and h 9. In Henry Coun Hail (1.00) ts in places. Hail (0.88) Hail (0.88) Hail (1.00) | crested near 39. pproximately 17 400 homes were |
| Mobile County Saraland Mobile County Creola Baldwin County Stockton Washington County Fruitdale Escambia County Poarch | feet on homes : damage to coun vest 05 Quarte 05 Nickel 05 Nickel 05 Quarte 05 Quarte 05 Quarte 05 | March 9. In sustained floc ed. The Choc ty roads alon 1303CST 1305CST r size hail wa 1325CST 1327CST to dime size 1330CST 1331CST size hail was 1430CST 1431CST size hail was 1 1430CST 1431CST 1431CST 1431CST 1431CST | Houston Cou od damage. In tawhatchee R e was estimate f f s reported aro f hail was report f reported alon f f s reported jus f f reported near f | Malvern, Slocor inty, 60 roads w n Dale County, liver at Newton ed near \$440,00 ound Saraland. rted just northea ng I-65 near the t south of Fruita Poarch. | mb, Geneva, vere closed. numerous co crested near 0). 0 The hail accu 0 ast of Creola. 0 Stockton exi 0 dale. 0 | and Samso At Cottony unty and st 34.6 feet (1 0 umulated to 0 t. 0 t. | on. The Choc vood, several ate roads wer hird highest) | tawhatch families e floodec on Marcl | tee River at Geneva were evacuated. A l. Between 300 and h 9. In Henry Coun Hail (1.00) ts in places. Hail (0.88) Hail (0.88) Hail (1.00) | crested near 39. pproximately 17 400 homes wer |
| Mobile County Saraland Mobile County Creola Baldwin County Stockton Washington County Fruitdale Escambia County Poarch Baldwin County Perdido | feet on homes : damage to coun vest 05 Quarte 05 Nickel 05 Nickel 05 Quarte 05 Quarte 05 Quarte 05 | March 9. In sustained floc ed. The Choc ty roads alon 1303CST 1305CST r size hail wa 1325CST 1327CST to dime size 1330CST 1331CST size hail was 1430CST 1431CST size hail was 1 1430CST 1431CST 1431CST 1431CST 1431CST | Houston Cou od damage. In tawhatchee R e was estimate f f s reported aro f hail was report f reported alon f f s reported jus f f reported near f | Malvern, Slocor inty, 60 roads w n Dale County, tiver at Newton ed near \$440,00 pund Saraland. rted just northea ng I-65 near the t south of Fruite | mb, Geneva, vere closed. numerous co crested near 0). 0 The hail accu 0 ast of Creola. 0 Stockton exi 0 dale. 0 | and Samso At Cottony unty and st 34.6 feet (1 0 amulated to 0 t. 0 t. 0 | on. The Choc vood, several ate roads wer hird highest) | tawhatch families e floodec on Marcl | ee River at Geneva were evacuated. A 1. Between 300 and h 9. In Henry Coun Hail (1.00) es in places. Hail (0.88) Hail (0.88) Hail (1.00) Hail (1.00) | crested near 39. pproximately 17 400 homes wer |
| Mobile County Saraland Mobile County Creola Baldwin County Stockton Washington County Fruitdale Escambia County Poarch Baldwin County Perdido | feet on homes : damage to coun vest 05 Quarte 05 Nickel 05 Nickel 05 Quarte 05 Quarte 05 Quarte 05 | March 9. In sustained floc ed. The Choc ty roads alon 1303CST 1305CST r size hail wa 1325CST 1327CST to dime size 1330CST 1331CST size hail was 1430CST 1431CST size hail was 1 1430CST 1431CST 1431CST 1431CST 1431CST | Houston Cou od damage. In tawhatchee R e was estimate f f s reported aro f hail was report f reported alon f f reported near f f reported near f f reported along f | Malvern, Slocor inty, 60 roads w n Dale County, liver at Newton ed near \$440,00 ound Saraland. rted just northea ng I-65 near the t south of Fruita Poarch. | mb, Geneva, vere closed. numerous co crested near 0). 0 The hail accu 0 ast of Creola. 0 Stockton exi 0 dale. 0 | and Samso At Cottony unty and st 34.6 feet (1 0 amulated to 0 t. 0 t. 0 | on. The Choc vood, several ate roads wer hird highest) | tawhatch families e floodec on Marcl | ee River at Geneva were evacuated. A 1. Between 300 and h 9. In Henry Coun Hail (1.00) es in places. Hail (0.88) Hail (0.88) Hail (1.00) Hail (1.00) | crested near 39. pproximately 17 400 homes wer |
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| | | Time Local/ | Path Length | Path Width | Numbe Perso | | Estimated Damage | March 1998 |
|---------------------------------|----------|--------------------|----------------|----------------|------------------|----------|---|--|
| Location | Date | Standard | (Miles) | (Yards) | Killed | Injured | Property Crops | Character of Storm |
| ALABAMA, Southy | vest | | | | | | | |
| | | size hail was r | eported along | State Highway | / 17, just north | of Butle | r. | |
| Clarke County | | | | | | | | |
| Morvin | 06 D: | 1915CST 1916CST | Γ | | 0 | 0 | | Hail (0.75) |
| | Dime | size hail was r | eported near | Morvin. | | | | |
| Mobile County | 07 | 0000000 | - | | | 0 | | T • • • • |
| Mobile | throug | gh the area for | hing from a | | | | in a fishing tourname e died before reaching | Lightning ent. Thunderstorms had been movin the hospital. |
| | M26B | 0 | | | | | | |
| Mobile County Bayou La Batre | 07 | 0900CST | • | | 0 | 0 | | Hail (0.75) |
| Dayou La Datre | 07 | 0900CS1 | | | U | U | | Hall (0.75) |
| | Dime | | | Bayou La Batre | | | | |
| Mobile County | | | • | - | | | | |
| Dauphin Is | 07 | 0900CST | ſ | | 0 | 0 | 2K | Thunderstorm Wind (G50) |
| | | 0901CST | | | | | | |
| | A few | trees were blo | own down on | Dauphin Island | • | | | |
| Mobile County | | | | | | | | |
| Countywide | 08 | 0001CS7 | | | 0 | 0 | 1M | Flood |
| | | 2000CST | Ľ | | | | | |
| Baldwin County | | | _ | | | | | |
| Countywide | 08 | 0030CST | | | 0 | 0 | 1M | Flood |
| | | 2000CST | L | | | | | |
| Conecuh County | 00 | 0120007 | - | | 0 | 0 | 300K | 171 J |
| Countywide | 08 | 0130CST 2000CST | | | U | 0 | JUUK | Flood |
| Escambia County | | 20000001 | | | | | | |
| Countywide | 08 | 0130CST | r | | 0 | 0 | 1.5M | Flood |
| County white | 00 | 2000CST | | | Ŭ | Ū | 1.01/1 | 11000 |
| Covington County | | | | | | | | |
| Countywide | 08 | 0145CST | 7 | | 0 | 0 | 6M | Flood |
| | | 2000CST | ſ | | | | | |
| Crenshaw County | | | | | | | | |
| Countywide | 08 | 0600CS7 | [| | 0 | 0 | 300K | Flood |
| | | 2000CST | | | | | | |
| Butler County | | | | | | | | |
| Countywide | 08 | 1030CST | | | 0 | 0 | 800K | Flood |
| | | 2000CST | ľ | | | | | |

A slow moving complex weather system moved through southwest Alabama on March 8, bringing with it copious amounts of rainfall. The Mobile WSR-88D estimated rainfall totals of six to ten inches across the area on March 8 with Brewton recording 9.54 inches. Some areas in north Baldwin county estimated up to fifteen inches of rain with Covington county estimating up to twelve inches of rain. The heavy rains began on the evening of March 7 and continued through the night before tapering off on the afternoon of March 8. The heaviest rainfall fell from midnight until around noon on March 8. The heavy rainfall caused widespread flooding across the area. The flooding began in Mobile county and then spread east across Baldwin, Escambia, Conecuh, Covington, Crenshaw and Butler counties . Most secondary roads were completely washed out in these counties. Following are highlights of some of the damages in the affected counties:

Mobile... Flooding began in the west part of the county then spread east . The flooding generally took place along and north of I-10. The University of South Alabama measured a one hour rainfall of 3.06 inches ending at 1221 am, a two hour total of 5.12 inches ending at 1223 am and a three hour total of 6.54 inches ending at 122 am. Many streets were closed due to high water through most of the day on March 8. Many secondary dirt roads in the north part of the county were completely washed out. A male drowned near USA around 1230 am when he jumped in to rescue a stranded motorist. The motorist got to safety but the rescuer was swept away by the swift water and drowned. This is the third person to drown at this spot since May of 1997.

Baldwin...Most of the flooding took place north of I-10. Most of the secondary roads were washed out by the heavy rain. Many of the paved roads in the north part of the county remained closed until the evening of March 8, when the water finally receded.

Conecuh...Most of the secondary roads throughout the county suffered damage. Most were closed from early Sunday morning until the evening of March 8. Part of I-65 was covered with water for a few hours during the morning of March 8 and traffic had to be rerouted.

Escambia...Almost every road in the county had standing water in them. Many of the secondary dirt roads were washed out by the flooding. U S Highway 29 from Flomaton to Brewton was closed from the early morning until evening of March 8. Traffic had to

| | | Time | Path | Path | Number | | Estimated | Ma | rch 1998 |
|-------------------------------|--------------|----------------------------|-------------------|-------------------|----------------------|--------------|--------------------------|---|-------------|
| Location | Date | Local/ Standard | Length (Miles) | Width (Yards) | Person Killed | s Injured | Damage Property Crops | Character of Storm | |
| LABAMA, South | vest | | | | | - | | | |
| | be rer | | | | | | | d of 1990. After the flas | |
| | | | | | | | | near Flomaton, the river | |
| | | | | | | | | On Murder Creek in llion dollars in damage. T | |
| | | ot on the river | | | t more an mou | sului plu | int and caused four ini | inon donars in damage. | ne ousines |
| | | | | | | | | throughout the county suff | |
| | | · · | 1 2 | | | | | e evening of March 8. T | |
| | | | | | | | | trailer park had to be evac oded street and his autor | |
| | | | | | | | | hen he drove his vehicle a | |
| | | | | in and his vel | nicle was carri | ed into tl | he lake. Like Escamb | ia county, residents say th | is was the |
| | | flood they have | | in the county | were washed o | ut Man | y of the primary road | ls also suffered major dan | ange IIS |
| | | | | | | | | ed part of the highway to | |
| | away. | Schools acro | ss the county | were closed on | Monday becau | se of the | many dirt roads that y | vere washed out. | |
| | | | | | | | | Many paved roads in the second se second second sec | e same pai |
| | of the | county, genera | lly south of G | sreenville, suffe | ered major dama | age. Son | ne were closed throug | hout the day on Sunday. | |
| Conecuh County | | | | | | | | | |
| Paul | 08 | 0050CST | | | 0 | 0 | | Hail (0.75) | |
| | Dime | 0051CST size hail was r | | Paul | | | | | |
| Butler County | 2 | onde man was i | eponed neur | | | | | | |
| Greenville | 08 | 0103CST | | | 0 | 0 | | Hail (0.75) | |
| | D: | 0105CST | | 1 (5 | | | | | |
| AT 70635064 | | | | g I-65 near Gree | enville. | | | | |
| ALZ063>064 | Lowe 08 | er Mobile - I 0200CST | | win | 0 | 0 | 40K | Flood | |
| | 00 | 0600CST | | | v | 0 | TUIX | 11000 | |
| | | | | | | | | sion from Orange Beach t | |
| | | | | | | | | over three feet around 20 the road. Highway 193 lea | |
| | | | | blown across it | | | | lie foud. Highway 195 for | iding to th |
| Covington County | | | | | | | | | |
| Andalusia | 08 | 0200CST | | | 0 | 0 | 1K | Lightning | |
| | Lighti | ning struck a tr | ailer and a ho | ouse near Andal | usia. Both horr | ies suffer | red only minor electric | cal damage . | |
| Covington County Andalusia | 08 | 0400CST | , | | 0 | 0 | | Hail (0.75) | |
| Anualusia | 00 | 0401CST | | | v | 0 | | Han (0.75) | |
| | Dime | size hail was r | eported near | Andalusia. | | | | | |
| Covington County | 00 | 0.400.007 | | | 0 | 0 | | | |
| Lockhart | 08 | 0400CST 0402CST | | | 0 | 0 | 3K | Thunderstorm Wine | d (G50) |
| | Trees | | | n down near Lo | ckhart. | | | | |
| Baldwin County | | | | | | | | | |
| Bay Minette | 08 Lichte | 0530CST | | omoo in the De | 0 V. Minotto anos | 0 The str | 20K | Lightning were both quickly put of | ut and anl |
| | | damage occur | | ones ni ule Da | y winnette area. | The su | likes started files that | were bour quickly put of | ut and om |
| Escambia County | | | | | | | | | |
| Brewton | 08 | 1350CST | | | 0 | 0 | | Hail (0.75) | |
| | Dimo | 1351CST | | northeast of Bre | uton | | | | |
| Butler County | Dime | SIZE Hall was I | eponeu just i | iormeast of Bre | wion. | | | | |
| Greenville | 08 | 1435CST | 1 | | 0 | 0 | 3K | Thunderstorm Wind | d (G50) |
| | | 1437CST | | | | | | | -() |
| | Trees | and power line | es were blow | n down just wes | st of Greenville. | | | | |
| Butler County | 08 | 1520007 | | | 0 | 0 | | Upil (0.75) | |
| Greenville | 00 | 1530CST 1532CST | | | U | U | | Hail (0.75) | |
| | Dime | | | south of Greenv | ille. | | | | |

| | S | torm I | Data a | nd Unu | sual W | eath | er Phenor | nena |
|--------------------------|----------------------------|--|--|---|-------------------------------|-----------------------------------|---|---|
| | | Time Local/ | Path Longth | Path | Number | | Estimated | March 1998 |
| Location | Date | Local/ Standard | Length (Miles) | Width (Yards) | Person Killed | is Injured | Damage Property Crops | Character of Storm |
| ALABAMA, Southwe | <u>est</u> | | | | | | | |
| Crenshaw County | 00 | 1/00/00 | | | 0 | 0 | | |
| Petrey | 08 | 1600CST 1601CST | | | 0 | 0 | 5K | Thunderstorm Wind (G50) |
| | fallen | trees. | | | ere also blown c | lown in | the area. A couple | of vehicles were also damaged by the |
| ALZ063>064 | Lowe 17 | r Mobile - I 1000CST 1700CST | ſ | lwin | 0 | 0 | 30K | Flood |
| | near 4 thunde be clo | al FloodingS 5 knots, for s erstorms. Beau sed because of | outheast win several hours th erosion ag | . The winds wards wards and debris. The | were likely the om Orange Bea | result of ch to Da Drange B | f a Bubble High dev uphin Island. Eastbo leach were 4 to 6 feet | rms to 20 to 30 knots, with gusts to reloping behind the eastward moving und lanes across the causeway had to t above normal during this time. The |
| <u>ALASKA, Northern</u> | | | | | | | | |
| AKZ001 | Arcti 05 | c Slope Coa 0900AST 1500AST | ſ | | 0 | 0 | | Blizzard |
| | | | occured at Po | oint Lay only, ur | nder east winds | gusting a | as high as 36 kts. | |
| AKZ007 | Tana 17 | na Valley 1300AST 1700AST | | | 0 | 0 | | High Wind (G47) |
| | | | ed north acro | | Range, producin | g strong | southerly winds for a | a time at Healy (maximum gust 47 kt) |
| AKZ009 | St. La 22 | awrence Isla 0300AST 1700AST | [| Strait Coast | 0 | 0 | | Blizzard |
| AKZ009 | St. La 22 | awrence Isla 0400AST 0600AST | г — | Strait Coast | 0 | 0 | | High Wind (G49) |
| | | ather Front mo | ved northeas | | | - | ringing Blizzard cond bell: 41 kt sustained, | litions to Savoonga, for several hours, gust 49 kt. |
| AKZ001 | Arcti 24 | c Slope Coa 0600AST | ſ | | 0 | 0 | | Blizzard |
| | | 1900AS rd Conditions oe Bay, Deadh | occurred in t | | y Area with east | t winds § | gusting between 35 an | nd 40 kts. Conditions were reported at |
| AKZ007 | Tana 25 27 | na Valley 1800AST 0700AST | | | 0 | 0 | | Heavy Snow |
| | A wea period 24-hou | kening low pr , resulting in a ur snowfall an | essure center large amour nount of 13 i | nt of snow right inches on the m | near the Canada | a Border 86th, and | The Alcan Border of another 8 inches on | tern Tanana Valley slowly during this Cooperative Observing Site reported a the morning of the 27th. Northway, |
| AKZ003-006-009>010 | Lawr | ence Island | Bering Stu | ern Seward l rait Coast - Y | | | n Seward Peninsul | a-Eastern Norton Sound - St. |
| | blizza | | f are center m zzard conditi | ons across muc | | | | Blizzard g only slowly. This storm produced Romanzof (Zone 10), Nome (Zone 6), |
| <u>ALASKA, Southeast</u> | | | | | | | | |
| AKZ025 | 08 09 Strong | 0600AST 1100AST gap winds (k | r r nown locally | | 0 s) occurred in d | | | High Wind (G48) |
| | deep l | | • | | | | | of a tight pressure gradient betwee ecorded during the event was 48 |

| | | Time | Path | Path | Numbe | | Estimated | March 1998 |
|--------------------|--|---|---|--|---|---|--|--|
| Location | Date | Local/ Standard | Length (Miles) | Width (Yards) | Perso: Killed | ns Injured | Damage Property Crops | Character of Storm |
| ALASKA, Southern | | | | | | | | |
| AKZ011-018>019 | 04 06 South mph a | 1200AS7 1800AS7 easterly winds at Cold Bay V | Γ Γ ahead of a n Vednesday a | noderate fronta | 0 l system gusted By Friday, the | 0 up to 62 front had | d slipped east and se | High Wind (G54) ham, 44 mph at Port Heiden and 58 outheastextending from the Alaska |
| AKZ020 | east so | | | of Kodiak Isla l area, early Fri | | l gusts of | 44 mph were reporte | ed just south of the Kenai Peninsula, |
| | 07 | 0000AST 2300AST | ſ | extreme easter | 0 m Aleutians c | 0 oupled w | ith moderate high n | High Wind (G50) ressure across the western Aleutians |
| AKZ019 | resulte West 12 | ed in brisk nor ern Alaska 1 1200AST 2300AST | hwest winds Peninsula Γ Γ | across much of | the central Ale | eutians. G | Susts reached 58 mph | near Adak. High Wind (G45) |
| AKZ015>018 | Thurs | day. Easterly | wind gusts re | ached 52 mph i | n advance of th | e front. | | Alocko Popinsulo |
| ARZU13>018 | 16 18 Brisk mph a | 0000AST 0300AST easterly winds at Portage betw roof damage, | Γ Γ preceded a v veen 7 and 8 | igorous weathe am Tuesday, 6 | 0 er front as it pas 4 mph at radio | 0 sed north station K | 10K westward into the ma MXT in Kodiak wh | Alaska Peninsula High Wind (G58) inland of Alaska. Speeds reached 67 ich downed several trees and caused Middleton Island between 2 and 3pm |
| AKZ015 | Cook 18 | S Inlet 0000AST 2200AST | | | 0 | 0 | | High Wind (G49) |
| | reache Orego | ontal winds cr ed gusts to 56 m. To a lesser | eated by a m mph. These extent, "me | winds are mai ountain wave" | inly due to "g conditions prol | ap" wind bably con | conditionssimilar tributed to the gusty | Sound and northwestern Cook Inlet to the Columbia Gorge conditions in winds. The gusty winds primarily th is at the outlet of Turnagain Arm. |
| AKZ020 | 20 21 | tian Islands 1800AST 2100AST | Г | | 0 | 0 | | High Wind (G50) |
| | | | | 0 | 5 | | ne Kamchatka Penins urday just prior to fro | ula, brought strong southerly winds to ntal passage. |
| AKZ019>020 | West 23 | ern Alaska 1200AS | Peninsula - | Aleutian Isla | • | 0 | 60K | High Wind (G87) |
| | The lo about mph. low, h vehicl Roofin chann | w then tracked 100 miles eas Initially, stron lowever, very s e and trailer of ng was also da elled and great | g low moved d northeast in t southeast of ng southeaste strong southw damage, dam maged. Win ly influenced | to Bristol Bay of f Bethel and hat rly winds prece- vesterly winds a age to houses d gusts in exce- by the surroun | early Tuesday, ad weakened to eded the storm affected the eas caused by win ess of 100 mph ding mountains | where it b 967mbs. gusting tern Aleut d-born de were repo . In Cold | began to weaken. B Very shortly after the as high as 88 mph a tians and Alaska Penie ebris, and blown out orted in the Dutch Ha Bay, structural dama | pening to 956mbs late Monday night. y Tuesday night, the low was located his time, winds diminished below 40 t Cold Bay. On the back side of the insula. Damage at Unalaska included windows to homes, cars and boats. rrbor/Unalaska area, where winds are ge occurred at several housing units. |
| AKZ017>020 | 27 30 A stronorthe weake preceed mph a | 0000AST 1800AST ang 969mb low east corner of ening to a 1007 ded the storm, across the Aleu | r r y moved acro Bristol Bay mb center jus much strong ttians and 58 | ss the central A very early Sun st west of Cape er northwesterly mph across the | 0 Aleutians late F Iday. The low Spencer in Sou y winds were re e Alaska Penins | 0 riday and then refet theast Ala eported al sula. Gus | early Saturdaywea ormed eastward into aska late Monday. V long the "back" side sts from 55 to near 60 | a Peninsula - Aleutian Islands High Wind (G63) kening to 984mbs across the extreme the Gulf of Alaska Sunday, finally Vhile strong easterly winds to 50 mph of the systemreaching speeds of 73 0 mph were recorded around Kodiak |
| AKZ011-016-019>021 | | • | a - Bristol I | | • | | Sound on Sunday. ninsula - Aleutian | Islands - Pribilof Islands High Wind (G58) |

| | | Time Local/ | Path Longth | Path | | iber of rsons | Estin | | March 1998 |
|---|-----------------------------|---|---|--|--|---|--|-------------------------------------|---|
| Location | Date | Standard | Length (Miles) | Width (Yards) | Killed | Injured | Dan Property | Crops | Character of Storm |
| ALASKA, Southern | | | | | | | | | |
| | Matthey Very st | w Island early rong southeas | Tuesday as a s | trong 966mb ed the storm | center. Thegenerally | e low then c reaching gu | ontinued no usts from 40 | rtheastwar) to 55 mj | ay and early Mondaytoward Sain d and slowly weakened late Tuesday bh. Strongest winds, however, were |
| AMERICAN SAMOA | • | | | | | | | | |
| | | ECEIVED. | | | | | | | |
| ARIZONA, Central an | | | | | | | | | |
| AZZ006-015>017 | Grand 06 07 | l Canyon C 1400MST 1000MST | ſ | tern Mogol | lon Rim - 0 | Eastern 1 0 | Mogollon 1 0 | Rim - W 0 | hite Mountains Winter Storm |
| | peak w were re Mogoll | ind just of 71 ecorded abov lon Rim recei | mph was record e 9000 feet ele | ded during the evation in the evation in the es of snow. | e early even e ski areas Flagstaff r | ning on Mar in the San eceived 8 in | rch 7 at Lake Francisco I nches of sne | e Montezu Peaks and ow during | espread winds of 20 to 35 mph. On ma. Snow totals of 14 and 18 inche the White Mountains. The easter the storm. The rest of the wester |
| AZZ008 | Yayan | ai County I | Mountains | | | | | | |
| | 06 | 1900MST le wind gust t | ſ | ph), associate | 0 d with sync | 0 optic scale so | 0 outhwest gra | 0 adient win | High Wind (G62) ds, was recorded by a spotter in Lak |
| AZZ015>017 | Weste 26 29 | rn Mogollo 0200MST 2000MST | | ern Mogollo | on Rim - ` 0 | White Mo 0 | untains 0 | 0 | Heavy Snow |
| | At the 29th (1 breaking | Flagstaff airp 2.8 inches bro | ort, record 24-heaking a record a tion record set | our snowfalls set in 1967). | were recor Also at the | ded on the 2 Flagstaff ai | 27th (6.6 inc rport, on the | thes, break 28th 1.13 | nd heavy rain to the lower elevations ing the record set in 1970) and on the inches of precipitation was recorded welted quickly. The highest snow |
| | | | nt | | ches | | | | |
| | | | rie (7 N Flagsta Ski Area | | ches ches | | | | |
| | | | | | ches | | | | |
| | | Happy Ja | | 7 in | ches inches | | | | |
| ARIZONA, Northwest | ļ | | | | | | | | |
| AZZ031 | Weste | rn Pima Co | • | | | | | | |
| | 06 | 1445MS | | vost was race | 0 rdad at tha | 0 Loughlin D | ullhood oirro | ort oc o ctr | High Wind (G50) ong cold front passed. |
| AZZ003 | | west Desert | | west was reco | ided at the | саидппп-ы | unneau anpo | nt as a su | ong cold nont passed. |
| ALLOUS | 26 | 0100MST 1300MST | r r | | 0 | 0 | | | Heavy Snow |
| | | | | | | | | | The Hualapai Mountain Park (6,50 nch of rain fell in Kingman. |
| Mohave County 10 W Kingman | 28 | 1140MS | ſ | | 0 | 0 | 1K | | Thunderstorm Wind |
| Mohave County | • | 11 513 500 | | | 0 | 0 | | | |
| 3 NW Kingman | | | gusts destroyed | | | | | | Thunderstorm Wind weather spotter's house 10 miles wes ghway 93 to the northwest of town. |
| Mohave County 5 E Bullhead City Arpt | U | 1530MST | | | 0 | 0 | 1 | 6 | Funnel Cloud |
| 5 E Bunneau City Afpt | <u> </u> | 1535MST | | | U | U | | | |

| | | Time Local/ | Path Length | Path Width | Numb Perse | | Estima Dama | | | March 1998 |
|--|---------------------------|---|---|--|---------------------|------------------|----------------|------------|--|--------------------|
| Location | Date | Standard | (Miles) | (Yards) | Killed | Injured | Property | Crops | Character of Storm | |
| ARIZONA, Northwest | t | | | | | | | | | |
| Mohave County 20 N Bullhead City Arpt | Severa five n | ninutes after a | Γ ted a funnel | | | | | | Funnel Cloud Irew into the base o I Park Rangers nea | |
| ARIZONA, South | Cottor | wood Cove. | | | | | | | | |
| AZZ019 | 06 07 | nern Greenle 2000MS 1000MS thes of new sno | Г Г | ted at Hannagar | 0 Meadow. | 0 | | | Heavy Snow | |
| AZZ019-029-033 | Nortl 29 30 | ern Greenl 0200MS 1500MS | ee - Southe Г Г | ast Pinal Cou | nty - Tucso 0 | 0 | | | Heavy Snow | |
| ARIZONA, Southwest | | | us reported o | | ind at Hanna | Buil Moude | on, while on | acto piera | ed up o mones. | |
| Maricopa County | | | | | | | | | | |
| Mesa | 06 | 2045MS 2050MS | | | 0 | 0 | | | Hail (0.88) | |
| | Weath | ner spotters rep | orted nickel- | sized hail in the | vicinity of M | lesa Drive | and Brown F | Road. | | |
| Maricopa County Phoenix | 26 Two f | 1845MS | | oy an NWS emp | 0 loyee 5 to 7 n | 0 niles north | west of 57th | Avenue | Funnel Cloud and Happy Valley R | oad. |
| Maricopa County Mesa Falcon Arpt | 28 | 1600MS | Г | | 0 | 0 | | | Funnel Cloud | |
| Maricopa County | | | | | | | | | | |
| 1 N Sunflower | cross evenii | a running was | Boy Scout t sh near Sunfl | | | | | | Flash Flood from under them. T a throughout the af | |
| AZZ024 | | ern Gila/To 1800MS 0300MS | onto Nf Foo F | othills | 0 | 0 | | | Heavy Snow | |
| | A stro 6 pm near th | ng winter-like and 845 pm N | storm dump IST on the 29 levation. Tota | 9th, about 3 incl al snowfall range | nes of snow f | fell across | the far west | portion o | ty and southern Gila of the Tonto Nationa o 4 inches below 500 | l Forest Foothills |
| ARKANSAS, Central | and N | orth Cent | ral | | | | | | | |

| Searcy County 3 SE Witts Spgs | 05 | 1205CST | 0 | 0 | Hail (|
|----------------------------------|---------|--------------------------------------|---|---|---------------------------------------|
| Van Buren County | | | | | |
| Alread | 05 | 1400CST | 0 | 0 | Hail (|
| | Hail uj | p to nickel size covered the ground. | | | |
| Van Buren County | | | | | |
| 10 W Clinton | 05 | 1410CST | 0 | 0 | Hail (|
| Stone County | | | | | |
| 3 W Mountain View | 05 | 1420CST | 0 | 0 | Hail (|
| Boone County | | | | | |
| Gaither | 05 | 1445CST | 0 | 0 | Hail (|
| Boone County | | | | | |
| Alpena | 05 | 1445CST | 0 | 0 | Hail (|
| Marion County | | | | | |
| Fairview | 05 | 1535CST | 0 | 0 | Hail (|
| Baxter County | | | | | · · · · · · · · · · · · · · · · · · · |
| 7 S Mountain Home | 05 | 1550CST | 0 | 0 | Hail (|

| | | | an ul | nd Unu | | , cutil | | | | |
|------------------------------------|---------------|-------------------------------|---------------------------------|----------------|--------------------|------------------------|--------------|------------|--|------------|
| | | Time Local/ | Path Length | Path Width | Num | ber of sons | Estim Dam | | | March 199 |
| Location | Date | Standard | (Miles) | (Yards) | Killed | Injured | Property | Crops | Character of Storm | |
| RKANSAS, Centr | al and No | rth Centu | <u>al</u> | | | | | | | |
| Stone County 2 S Fifty Six | 05 | 1630CST | | | 0 | 0 | | | Hail (0.75) | |
| Sharp County Ash Flat | the room | n at the time | ouse in Ash F e and was stru | | tning bolt as | | | | Lightning from one of the wall some minor burns to | |
| Conway County Morrilton | 05 | 1725CST | | | 0 | 0 | | | Hail (0.75) | |
| Faulkner County Springhill | 05 | 1730CST | . | | 0 | 0 | | | Hail (0.75) | |
| Cleburne County Tumbling Shoals | 05 | 1752CST | | | 0 | 0 | | | Hail (0.88) | |
| Pope County 2 W Atkins | 05 | 1825CST | | | 0 | 0 | | | Hail (0.75) | |
| White County 3 N Searcy | 05 Dime si | 1845CST | ed the ground | | 0 | 0 | | | Hail (0.75) | |
| White County Bradford | 05 | 1857CST | - | | 0 | 0 | | | Hail (1.75) | |
| Woodruff County Augusta | 05 | 1900CST | | | 0 ver. The only | 0 v damage n | oted was sor | ne roof sh | Lightning ingles ripped off. | |
| Woodruff County Mc Crory | 05 | 1915CST | - | | 0 | 0 | | | Hail (0.75) | |
| Drew County 6 E Monticello | 07 | 0915CST 0917CST | | | 0 | 0 | | | Hail (1.75) | |
| Calhoun County Hampton | 07 | 1040CST | vered the grou | ma. | 0 | 0 | | | Hail (0.75) | |
| Polk County Cove | 07 | 1210CST | 1 | | 0 | 0 | | | Hail (1.00) | |
| Scott County 10 W Waldron | 07 | 1245CST | | | 0 | 0 | | | Hail (0.88) | |
| Pike County 1 N Kirby | 07 Shaarr | 1405CST | | | 0 | 0 | | | Hail (0.75) | |
| ARZ007 | outside | in the very c utdoors expo | ir overspread old weather. | | in his wheel | chair and | was unable t | o get bacl | Extreme Cold as restricted to a whe k up into it. After a thermia. | |
| Jefferson County Pine Bluff | 16 Heavy t | 1945CST 2145CST | | in Pine Bluff. | 0 Savaral strad | 0 | derwater for | a period | Flash Flood | |
| Clark County Arkadelphia | 19 | 0725CST | | m i ne Diuil. | 0 | 0 | derwater 101 | a period | Hail (0.75) | |
| Clark County Caddo Vly | 19 | 0740CST | . | vn some power | 0 | 0 | | | Thunderstorm | Wind (G50) |
| Newton County Jasper | 27 | 1415CST | | | 0 | 0 | | | Thunderstorm | Wind (G50) |

| | | | | | | | | | mena | | |
|-------------------------------------|--------------------|----------------------------------|--|-------------------|----------------------------|--------------------|--------------|------------|--|--|--|
| Location | Date | Time Local/ | Path Length | Path Width | Per | ber of sons | Estin | age | March 1998 | | |
| | | Standard | (Miles) | (Yards) | Killed | Injured | Property | Crops | Character of Storm | | |
| <u>ARKANSAS, Centra</u> | l and N | orth Cent | ral | | | | | | | | |
| Jackson County Newport Muni Arpt | 27 Thunc | 1913CS derstorm winds | | airplane at the | 0 airport in Ne | 0 wport. | | | Thunderstorm Wind (G50) | | |
| Johnson County Knoxville | 30 | 2230CST | ſ | | 0 | 0 | | | Hail (0.75) | | |
| Johnson County Lamar | 30 | 2230CST | ſ | | 0 | 0 | | | Hail (2.75) | | |
| Van Buren County 1 W Clinton | 31 Thunc | 0030CST derstorm wind | | ne large tree lin | 0 Ibs. | 0 | | | Thunderstorm Wind (G50) | | |
| Saline County Paron | 31 | 0130CST | | C | 0 | 0 | | | Thunderstorm Wind (G50) | | |
| Pulaski County | | | | wn a few trees. | | | | | | | |
| Macon | 31 | 0208CST | r | | 0 | 0 | | | Hail (1.00) | | |
| Lonoke County Austin | 31 Sever | 0230CS al large tree lin | | cked down. | 0 | 0 | | | Thunderstorm Wind (G50) | | |
| Lonoke County Lonoke | 31 Thunc | 0355CST derstorm winds | | amper and the | 0 roof of a bui | 0 Iding. | | | Thunderstorm Wind (G50) | | |
| ARKANSAS, East | | | e | I | | e | | | | | |
| Cross County Wynne | 05 | 2005CST 2010CST | | | 0 | 0 | 0.75K | | Hail (1.75) | | |
| Craighead County Jonesboro | 27 | 1700CST 1705CST | ſ | | 0 | 0 | 1K | | Thunderstorm Wind | | |
| Lamman Carrata | Some | trees were know | ocked down. | | | | | | | | |
| Lawrence County Portia | 27 | 2209CST 2215CST | | | 0 | 0 | 0.01K | | Hail (0.75) | | |
| ARKANSAS, Northy | <u>vest</u> | | | | | | | | | | |
| Washington County Greenland | 05 | 1230CST | ſ | | 0 | 0 | | | Hail (0.75) | | |
| Madison County Wesley | 05 | 1258CST | ſ | | 0 | 0 | | | Hail (0.88) | | |
| Madison County Huntsville | 05 | 1325CST | | | 0 | 0 | | | Hail (0.75) | | |
| Carroll County | | | | | | | | | | | |
| 3 SW Eureka Spgs | southe low pr | ern Arkansas. ressure along t | ed over north Surface temp he front were | eratures on the | cool side of off the thund | the front in | n the 40s. U | nstable ai | Hail (0.75) forth of a surface stationary front over r aloft and the approach of a wave or nt. The only severe reports with these | | |
| Sebastian County Ft Smith | 07 | 1500CST | ſ | | 0 | 0 | | | Hail (0.75) | | |
| Crawford County Van Buren | 07 | 1505CST | ſ | | 0 | 0 | | | Hail (0.75) | | |
| Washington County Lincoln | 07 Pieces | 1520CS s of barn on ro | | ln | 0 | 0 | 0.50K | | Thunderstorm Wind | | |
| Washington County Fayetteville | 07 | 1535CS lowned on a ro | | | 0 | 0 | 0.20K | | Thunderstorm Wind | | |

A powerful early spring storm system moved across Oklahoma and Arkansas during the day on March 7. Severe thunderstorms developed during the mid-afternoon over extreme eastern Oklahoma and then moved into western Arkansas around 3:00 PM.

| | | Time Local/ | Path Length | Path Width | Numbe Perso | | Estimated Damage | March 199 |
|---|---|--|---|---|---|--|---|--|
| ocation | Date | Standard | (Miles) | (Yards) | Killed | Injured | Property Crops | Character of Storm |
| RKANSAS, Northw | <u>est</u> | | | | | | | |
| Sebastian County Ft Smith | 19 Power | 0251CST lines downed by | v tstm winds o | on west side o | 0 f city | 0 | 5K | Thunderstorm Wind |
| Crawford County 3 W Alma | 19 Barn bi | 0300CST lown down and | utility shed bl | own down | 0 | 0 | 4K | Thunderstorm Wind |
| | of Mar | ch 19. The thu | nderstorms w | vere in advan | ce of a low p | ressure s | | homa during the early morning hour the Red River. The storms entere |
| ARZ001>002- 010>011-019>020-029 | Bento | n - Carroll - V | Washington | - Madison | - Crawford | - Franl | din - Sebastian | |
| | 27 | 0800CST 1500CST | | | 0 | 0 | 5.1K | High Wind |
| | northwe shower: Arkans: frequen gust for Power | estern Arkansas s. (The showe as.) For up to th it gusts over 40 the day of 45 n lines were blow: | during the l rs themselves uree hours in a miles an hour niles an hour, n down in Be | ate morning were non-se advance of the Gusts of 50 and the Fort | and early afte evere and did e showers, wid) to 60 miles a Smith Regiona | ernoon in not prod lespread g in hour w il Airport | advance of, but not luce cloud-to-ground gradient winds were s ere not uncommon. I had a peak gust for th | nds from the south developed across directly associated with, a band of lightning until they got into centr ustained above 30 miles an hour wit Fayetteville's Drake Field had a peal he day of 49 miles an hour. |
| Benton County | in Sprir | ngdale around 1 | 1:30 am. | | | | | |
| Siloam Spgs | 30 Large t | 2000CST tree blown down | in city park | | 0 | 0 | 0.10K | Thunderstorm Wind |
| Benton County Gentry | 30 Power | 2010CST lines blown dow | n near Gentry | y | 0 | 0 | 2K | Thunderstorm Wind |
| Washington County Prairie Grove | 30 | 2021CST | | | 0 | 0 | | Thunderstorm Wind (G52) |
| Washington County Fayetteville | 30 | 2024CST | | | 0 | 0 | | Thunderstorm Wind (G52) |
| Benton County 1 S Gravette to .5 E Gravette | 30 | 2025CST 2027CST | 1.2 | 125 | 0 | 0 | 100K | Tornado (F1) |
| | area wo Other h 35 to 4 | ere damaged wh nomes had mino 40 minutes. Do | en large trees r roof damage ors were blow | s blew over. e. High wind wn out of the | One of the ho s downed a po Hendren Plas | uses' occi ower line, stics plant | upants described the s which left the east si t on Hwy. 72 in east | arough Gravette. Three homes in the storm as sounding like a freight trait de of the city without power for about ern Gravette. A tree was blown on r tree was blown across Ridge Road. |
| Benton County Bella Vista | | 2035CST ous trees blown ets." Power line | | | | 0 Ig cited "t | 35K rees down on cars,t | Thunderstorm Wind rees down on houses,and trees dow |
| Crawford County 8 S Mountainburg | 30 | 2045CST | | | 0 | 0 | | Hail (0.88) |
| Crawford County Van Buren | 30 Near H | 2056CST Iwy. 282 and I-5 | 40 | | 0 | 0 | | Hail (0.75) |
| Sebastian County Hartford | 30 | 2110CST netal blown off | | | 0 | 0 | 0.20K | Thunderstorm Wind |
| Washington County 2 E Elkins | 30 | 2115CST | | | 0 | 0 | | Thunderstorm Wind (G52) |
| Madison County | | | | | | | | |

| | S | torm I | Data a | nd Unu | sual W | eath | er Phenor | nena |
|------------------------------------|------------------------------|---|---|---|-------------------------------|---------------------|---|---|
| | | Time Local/ | Path Length | Path Width | Number | | Estimated Damage | March 1998 |
| Location | Date | Standard | (Miles) | (Yards) | | Injured | Property Crops | Character of Storm |
| ARKANSAS, North | iwest | | | | | | | |
| Madison County Huntsville | A solid pressur Oklaho | l line of thun e, moved into ma had a boy | nbs downed b derstorms co o western Ark v echo signati | vering the entir cansas around 80 are as it moved | 00 PM on the e into Arkansas, | vening o causing | of March 30. The par many reports of sever | Thunderstorm Wind ed with a cold front and wave of low t of the line moving out of eastcentral te tstm winds. At the north end of this ge on the south and east sides of town |
| ARKANSAS, South | east | | | | | | | |
| Ashley County Fountain Hill | 07 Golfba | 0855CS ll size hail ac | | ree inches deep. | 0 The hail dama | 0 ged roof | 100K s of houses and auton | Hail (1.75) nobiles. |
| Ashley County Milo | 07 Many I | 0855CS houses and au | Г itomobiles we | ere damaged. | 0 | 0 | 100K | Hail (1.75) |
| Ashley County Milo | | 0855CS ouses were da | | our barns were | 0 demolished. | 0 | 75K | Thunderstorm Wind |
| ARKANSAS, South | west | | | | | | | |
| Little River County Foreman | 05 Report | 1550CS s of golfball | | eived from Sher | 0 iffs Office. | 0 | | Hail (1.75) |
| Miller County | | | _ | | | | | |
| Texarkana Lofovotto County | 05 | 1630CS | ſ | | 0 | 0 | | Hail (1.00) |
| Lafayette County Lewisville | 05 | 1707CS | ſ | | 0 | 0 | | Hail (0.75) |
| Lafayette County 4 S Lewisville | 05 Vehicl | 1710CS es travelling | | had their wind | 0 shields and ante | 0 ennas bro | 10K oken or damaged by h | Hail (1.25) |
| Columbia County 4 S Magnolia | 05 | 1734CS | Г | | 0 | 0 | | Hail (1.75) |
| Columbia County Magnolia | 05 | 1743CS | Г | | 0 | 0 | | Hail (0.75) |
| Columbia County 4 S Magnolia | 05 | 1746CS | Г | | 0 | 0 | | Hail (1.75) |
| Columbia County Emerson | 05 | 1756CS | Г | | 0 | 0 | | Hail (0.75) |
| Howard County 5 NW Nashville | 07 | 0840CS | Г | | 0 | 0 | | Hail (0.75) |
| Union County 7 W El Dorado | 16 A car t | 1900CS | | s it attempted to | 0 cross over Par | 0 kers Cha | apel Road. | Flash Flood |
| Miller County 4 SE Texarkana | 31 | 0020CS | | | 0 | 0 | - | Thunderstorm Wind (G60) |
| CALIFORNIA, Ext | reme Sou | <u>itheast</u> | | | | | | |
| CAZ030 | 28 An uns feet. S | now showers | T T old and strong s developed | late in the mor | ning at the hig | gher elev | vations of Joshua Tr | Heavy Snow A. Snow levels dropped to around 350 ee National Park and continued int |
| CALIFORNIA, Noi | | | and 2 inches o | ot snow fell at K | ey's View, elev | ation 52 | 200 feet, and 6 inches | at Covington, elevation 4000 feet. |
| CAZ016 | | al Sacrame 0001PS7 2359PS7 | r - | | 0 | 0 | | Flood |

31 2359PST Portions of Glenn and Colusa continued to suffer from inundation due to February rains (damage estimates are included in February report).

| | S | Storm I | Data a | nd Unu | sual W | eathe | er Phe | non | nena | |
|----------------------------------|------------------------|---|--------------------------------|-------------------------------------|-------------------------------------|--------------|--------------------|------------|--|---------------|
| | | Time | Path | Path | Number | | Estimate | | М | arch 1998 |
| Location | Date | Local/ Standard | Length (Miles) | Width (Yards) | Person Killed | s Injured | Damage Property | e Crops | Character of Storm | |
| CALIFORNIA, North | n Cent | ral | | | | | | | | |
| Stanislaus County | | | | | | | | | | |
| Newman | 02 03 | 0001PST 0630PST | | | 0 | 0 | | | Urban/Sml Strean | ı Fld |
| | Heavy | rains, estima | ted around 2. | 5 inches in 30 h d down State Ro | | ough floo | oding to requi | re some | e evacuation of homes in | n the town of |
| CAZ013>014-064- 066>069 | Coun | ty - Northe | ast Foothill Plumas Cou | s/Sacramento | | therlode | /Camptonv | | ar Lake/Southern L o Goverland - Mt Winter Storm | ake |
| | 06 A very 2000 f | 0200PST y cold storm b foot level were | rought snow a 2-6 inches, a | | mulations at the | mountain | | | California. Snowfall a bund 12 inches. The sno | |
| Shasta County | 23 | 1530PST | r. | | 0 | 0 | | | Hearry Dain | |
| Countywide | | 2330PST | ſ | | | | | | Heavy Rain | |
| Vala Country | Rainfa | all rates of 4 in | ches in 8 hou | irs caused muds | lides that closed | I Interstate | e 5 and six oth | er road | s in the county. | |
| Yolo County Davis | 25 | 1250PST 1300PST | | | 0 | 0 | 0 | 0 | Funnel Cloud | |
| Solano County | | 1500151 | L | | | | | | | |
| Vallejo | 25 | 1400PS7 1410PS7 | | | 0 | 0 | 0 | 0 | Funnel Cloud | |
| San Joaquin County Stockton | 25 | 1445PST 1500PST | | | 0 | 0 | 0 | 0 | Funnel Cloud | |
| Solano County Vacaville | 25 | 1500PST 1545PST | | | 0 | 0 | | | Tstm Wind/Hail | |
| | | | | | n reduced visibi nvolved a large | | | d as the | e major cause of three n | notor vehicle |
| CAZ013>014-066>069 | Valle | y - Motherl | | | | | | | theast Foothills/Sac County - West Slope | |
| | Sierr 28 | a Nevada 0001PST | | | 0 | 0 | | | Winter Storm | |
| | | | d whiteout co | | osed Interstate asured in the high | U | | . Snow | v accumulated as low as | 1700 feet in |
| San Joaquin County 8 SE Tracy | 28 | 1720PST 1725PST | | 10 | 0 | 0 | 1K | | Tornado (F0) | |
| | The sr | | | d up 60 feet of | back fence on o | ne home l | ot. | | | |
| CALIFORNIA, North | <u>neast</u> | | | | | | | | | |
| CAZ072 | 05 06 | ter Lake Ta 0640PST 0640PST | [| : Arros 19 24 inc | 0 ches above 7900 | 0 | | | Heavy Snow | |
| CAZ071 | | en/Eastern I 0939PS7 0940PS7 | Plumas/Eas โ | | 0 | 0 | | | High Wind (G55) | |
| | Peak | | | e CA. No dama | ge reported. | | | | | |
| CAZ071 | Lasse 27 28 | en/Eastern I 0630PST 0630PST ur snow fall: | Plumas/Eas [[| tern Sierra | 0 | 0 | | | Heavy Snow | |

| | | Time | Path | Path | Numbe | | Estimated | March 1998 |
|-------------------------------|-------------|----------------------------------|-------------------|--|------------------|---------------|--|---|
| Location | Date | Local/ Standard | Length (Miles) | Width (Yards) | Perso: Killed | ns Injured | Damage Property Crops | Character of Storm |
| CALIFORNIA, Nor | thwest | | . , | | | 3 | 1 2 1 | |
| CAZ003-076 | | n Coast Inte | rior - Men | docino Interior | | | | |
| | 05 | 1100PS7 1800PS7 | ſ | C 11 1 2500 C | 0 | 0 | | Snow |
| CA 7001-002 076 | | | | fell above 3500 fee | | | Mendocino Interio | - |
| CAZ001>003-076 | 06 | 0200PST 0700PST | r r | | 0 | 0 0 | Mendocino Interio | r Freeze |
| | Mornii | ng low temper | ratures dipped | l into the upper 20 | ls. | | | |
| Humboldt County 5 S Eureka | 22 23 | 0700PST 1700PST | | | 0 | 0 | | Urban/Sml Stream Fld |
| Trinity County | | | | | | | | |
| Hayfork | 22 23 | 0700PST 1700PST | | | 0 | 0 | | Urban/Sml Stream Fld |
| Trinity County | | | _ | | | | | |
| Trinity Center | 22 23 | 0700PST 1700PST | | | 0 | 0 | | Urban/Sml Stream Fld |
| | | stream floodir d on the lower | 0 | Creek at Trinity C | enter and arc | ound Hay | yfork in Trinity County | . In Humboldt County, the Elk River |
| CAZ001-003 | | ood Coast · | | ast Interior | | | | |
| | 23 | 0100PST 1000PST | | | 0 | 0 | | High Wind (G68) |
| | | | ith a strong c | | it 60 mph ne | ar Hone | eydew, 78 mph at an au | tomated site above Maple Creek and |
| CAZ003-076 | | | | docino Interior | | | | |
| | 31 | 0400PST 1130PST | | | 0 | 0 | | Heavy Snow |
| | - | cant late seas | on snows fel | | | | • | ches of snow at Ridgewood Summit |
| | | | Ukiah. Num | erous locations rej | ported 3 to 5 | inches of | of snow. | |
| CALIFORNIA, Sou | | | | | | | | |
| CAZ020 | Centr 13 | al San Joac 1215PST | | | 0 | 0 | | Flood |
| | | 2000PST | ſ | | - | | | |
| | | o locally heav WSW of Men | | to 1" in less than | an hour wate | er moved | d over roadways in Nor | thwest Fresno Countyvicnity of 17 |
| Fresno County | miles | | iuota. | | | | | |
| 5 N Kerman | 13 | 1300PST | | | 0 | 4 | | Hail (0.75) |
| | A | 1310PST | | orth toward Mad | ora Country | donositi | ng hail to a dopth of 7 | " on the ground at points north and |
| | northe | ast of Kerman | n. The accom | | | | | ays sending 4 people to area hospitals |
| Madera County | | | _ | | | | | |
| 7 SE Madera | 13 | 1345PST 1430PST | | | 0 | 0 | | Urban/Sml Stream Fld |
| | | ntial rain and | small hail wi | | | | way 99 with water clos 7 miles southeast of M | ing the highway. Numerous vehicl e adera. |
| Kern County | | | | | | | | |
| 32 S Bakersfield | 13 | 1430PST 1440PST | | | 0 | 0 | | Hail (1.00) |
| | | • | - | vay Patrol between orm to diminish. | n Laval Roa | d and th | e scales on Interstate-5 | at the base of the grapevine. 40-50 |
| Merced County | | | | | | | | |
| Merced | 24 | 1200PS7 | | | 0 | 0 | | Urban/Sml Stream Fld |
| | Torrer | 2000PST ntial thundersh | | ed over 25 surface | streets in Me | erced du | ring the afternoon of th | e 24th. |
| Merced County | | | | | | | - | |
| 2 N Merced | 24 Power | 1400PS7 outage to 700 | | f PG&E | 0 | 0 | | Lightning |
| | rower | outage to 700 | s customers o | TOQL. | | | | |

| | | Time Local/ | Path Length | Path Width | Number Person | | Estimated Damage | | March |
|---|--------------|--|-------------------|----------------|------------------|-----------------|-------------------------|------------|--|
| Location | Date | Standard | (Miles) | (Yards) | | is Injured | - | ops Cl | haracter of Storm |
| CALIFORNIA, South | n Centr | al | | | | | | | |
| Merced County | 25 | 0200DCT | | | 0 | 0 | | | |
| 1 SW Planada | | 0300PST (8) homes just ou cial rainfall of 1. | | | | | | | Flood yy shower/thundershower a |
| Merced County Merced | 25 | 0530PST | | | 0 | 0 | 9.6M 1 | l.5M | Flood |
| | Over 6 | 1300PST 55 homes and 19 | apartments w | vere flooded | in and around | Merced (| City as the result | t of torre | ential/record-setting rainfal |
| | | us 18 hours. | a band of the | inderstorms | that became ou | aci-station | ary in the previo | oue 12_1 | 8 hours brought flooding a |
| | | | | | | | | | lesday the 24th and locally |
| | | | | | | | | | nding by the morning of the part of town showed 6.8" |
| | | | | | | | | | airport for the 24th as a ca |
| | | | | | | | | | ater did not reach creeks u |
| | | | | | | | | | Over 1000 people were eva PST 3/25/98Black Rascal |
| | was co | ntributed 4449Cl | FS(148% capa | acity) early o | on 3/25 to Bear | Creek's t | otal. Damage fi | igures fo | r the 24th/25th assessed at |
| | | | | | | | | | e). This event in Merced Snelling, reached 5358Cl |
| | height | of 15.4' at 1800F | PST on 3/24/9 | 8 as a result | of the heavy r | | | | the type of stream flows fi |
| CAZ022 | | ls of the S.Sierra ern Sierra Ne | | 5 | | Kings Ca | anvon | | |
| | 24 | 1200PST | uuu 105th | inte i (utioi | 0 | 0 | ing on | | Heavy Snow |
| | 25 Mamm | 0600PST noth Mountain re | ceived 14-18' | of new sno | w overnight. | | | | |
| Madera County | | | | | | | | | |
| 5 WSW Chowchilla to 3 WSW Chowchilla | 24 | 1346PST 1356PST | 2 | 25 | 0 | 0 | 15K | 30K | Tornado (F0) |
| | | | | | | | | | rd south of Highway 152 a immediately along Highw |
| | | | | | | | | | sses there was some damag |
| | | | | | | | | | building damage 2 miles d er to the northeast! |
| Madera County | | | | | | | | | |
| 5 WSW Chowchilla | 24 Strong | 1355PST wind from a sev | vere thunderst | orm pushed | a trailer house | 0 off of its | 1.5K foundation as w | vell as da | Thunderstorm Wind (G amaging some dairy, calf s |
| | | a $1/2$ mile north of | | | | | | | |
| Kings County 3 S Hanford to | 24 | 1440PST | | | 0 | 0 | 50K | | Thunderstorm Wind |
| 1 N Armona | | 1500PST | | | | | | | |
| | | wind with a thur y. the power con | | | | | | | wn 32 power poles in north to 12 hours. |
| Kings County | , | , F | ·F ···· , ···· ·· | | | | | ·r | |
| Lemoore | 24 | 1445PST 1600PST | | | 0 | 0 | | | Urban/Sml Stream Fld |
| | A thun | | t very heavy i | rain to the ci | ty of Lemoore. | The amo | ount of water over | erwhelm | ed the city drain system an |
| | went g | utter to gutter ac | ross downtow | n business a | rea streets. Re | ports of 1 | .78" of rain occu | irred wit | h the thunderstorm's passag |
| Tulare County Porterville | 24 | 1600PST | | | 0 | 0 | 5K | | Thunderstorm Wind |
| | | 1700PST | | 1 27 | | | | 1.1 | |
| | | erstorm wind (es ville late in the af | | ore than 37. | Kis) brought d | own pow | ernnes and dam | aged the | e roof of an elementary sc |
| Tulare County | | | | | | | | | |
| (Callering | 24 | 1600PST | | | 0 | 0 | 50K | | Thunderstorm Wind |
| Tulare | | 1700PST | | | | | | | |
| Tulare | Thund | 1700PST erstorm wind (es | | | | | • • | - | ms for 15,000 power custo ne Tulare area with the rai |

| | | Time Local/ | Path Length | Path Width | Number Persor | | Estimated Damage | March | 1 1998 1 |
|--|----------------------------|--|---|-----------------------------------|--|------------------------|-------------------------|---|-------------|
| Location | Date | Standard | (Miles) | (Yards) | | Is Injured | Property Crops | Character of Storm | |
| CALIFORNIA, Sou | th Centra | <u>al</u> | | | | | | | |
| Kern County 5 E Maricopa | | | ed to runoff f | | | 0 intains fl | lowing across Highwa | Urban/Sml Stream Fld y 166 east of Maricopa. The | |
| Merced County | closed | as a result of | the flooding. | No other dama | ige reported. | | | | |
| Atwater | | | 600 PST by | California High one of damage. | | 0 cates fur | nnel cloud sighted in A | Funnel Cloud twater. Reported to have tou | iched tł |
| Merced County 5 S Livingston | 25 Spotter | 1610PST report of fu | | ouching the gro | 0 und. | 0 | | Funnel Cloud | |
| Merced County 3 NW Merced | 25 | 1625PST |] | buching the grou | 0 | 0 f Merced | 1. | Funnel Cloud | |
| CAZ022 | | | Nevada-Yo | semite Nation | | | | Heavy Snow | |
| CAZ024 | Kern | County Mo | ountains | of new snow th | - | | otter had 10" of new s | - | |
| | 28 Snow r | 0200PST 2359PST reports from s | | ate that up to 14 | 0 inches of snow | 0 fell dur | ing the day 4 miles we | Heavy Snow est of Tehachapi. Other repor | rts to th |
| Tulare County | An incl Mamm heavy s | ement weath oth Mountain now criteria | er period for in the high coccurred in C | country of Made | in of Central C ra County record , and 24 around | ded a to the 28th | tal of 34" of new snow | d extended to the 30th of the v over these 5 days. Snow ex- e 2800-foot elevation in CA Z | ceeding |
| 5 SE Earlimart | 28 | 0845PS7 | | | 0 | 0 | | Flood | |
| | impact | | gain breached unity of Earl | | | | | and farm land. There was of widespread and heavy rain | |
| Kern County | 20 | 1050000 | | | 0 | 0 | | | _ |
| Lamont | | 1050PST 2200PST levels in Cali into the creek |] ente Creek ra | ised as heavy ra | 0 in showers and | 0 thunder | showers occurred in a | Urban/Sml Stream Fld nd around Lamont brought su | |
| Kings County | | | | | | | | | |
| 1 SE Armona to 1 NW Armona | 28 Observ | 1332PST 1350PST red by 2 NWS | | and spotter. Ha | 0 il ranging in siz | 0 e from 1 | /4 to 1/2 inch occurred | Funnel Cloud 1 1 mile east of the funnel. | |
| Kings County Lemoore | 28 | 1600PST | 1 2 | I | 0 | 0 | | Urban/Sml Stream Fld | l |
| | | 1607PST hail (less that ore around 16 | in 1/2") and | torrential rain a | accompanying | | fternoon thunderstorm | led to street flooding in do | |
| Merced County Plainsburg | 28 Hail le | 1614PST ss than 3/4" i | | nd funnel reporte | 0 ed by Merced C | 0 ounty Sl | heriff. | Funnel Cloud | |
| Madera County 5 NW Madera to 2 SE Chowchilla | 28 | 1630PST 1650PST | | c . | 0 | 0 | H'1 60' M' | Hail (0.75) | |
| Merced County | Spotter | report of 3/4 | hail swath | trom northwest | to southeast alo | ng State | Highway 99 in Mader | ra County. | |
| 5 S Merced | 28 Spotter | 1715PST report of 3/4 | | | 0 | 0 | | Hail (0.75) | |

| Location | Date | Time Local/ Standard | Path Length (Miles) | Path Width (Yards) | Numb Pers Killed | | Estima Dama Property | | Marc ² Character of Storm | h 1998 |
|--|---------------------------------------|----------------------------------|--|--|-----------------------------------|--------------------------|-------------------------------|------------|--|--------------------------------------|
| CALIFORNIA, Sou | th Cent | ral | | | | | | - | | |
| Merced County 10 SE Merced to 11 SE Merced | 28 Merce | 1625PST 1633PST | 1 I | 1 | | | l that hail wa | s large ar | Hail (1.00) Id deep enough to cause car | rs to slid |
| Madera County Chowchilla Arpt | | | | U | | | | | Tornado (F0) feet, and then arced to sout epth in the area. | th before |
| Fresno County 3 SE (Fat) Air Terminal | 0 | U | | 1 | | 0 ined debri | 1K s down onto | a family | Lightning exiting the house below. N | o injurie |
| Fresno County Parlier | 28 Repor Nume Merce minut | d and Madera (| uring storm ch rms developed Counties. The hail of 1/2" d | ase. during the af tornado at th | 0 ternoon hour e Chowchilla | a Airport o | occurred with | a severe | Lightning difornia and reached severe thunderstorm warning of at thwest Fresno County just | least 10 |
| Fresno County Huron to Kingsburg | 28 | 1800PST 1930PST | | | 0 | 0 | | 5.0M | Small Hail | |
| Tulare County Visalia to Exeter | 28 | 1930PST 2030PST | | | 0 | 0 | | 5M | Small Hail | |
| Kern County 16 SE Bakersfield | While Heavy | not reaching se rain accompan | vere size (3/4") ying the conve |), the hail stac ctive activity | ked on the g | round up t plague and | to a couple of d delay ag fie | inches at | Urban/Sml Stream Flo onds, grapes, stone fruit, and sizes just less than 3/4" in d ons for cotton planting, cant | d lettuce. liameter. taloupes, |

While not reaching severe size (3/4"), the hail stacked on the ground up to a couple of inches at sizes just less than 3/4" in diameter. Heavy rain accompanying the convective activity continued to plague and delay ag field operations for cotton planting, cantaloupes, and tomato processing. The damage in Fresno County was estimated at \$4.97M starting at Huron on the west side and progressing eastward through Sanger, Reedley, and Kingsburg. Further damage occurred in Tulare County where a band of damage occurred from mostly Visalia toward Exeter. The damage for 1,250 acres of hail-damaged plums was estimated at \$5M in Tulare County. Continued rain kept agricultural ground operations to a minimum with almost all application of herbicides, insecticides, and fertilizers conducted by agricultural aircraft in February and March.

In Kern County continued above normal rain brought continued small stream flow onto the Southern San Joaquin Valley floor. The loss of access and/or damage to farm land continued to add to the overall spring storm and heavy rain damage assessment to Central Caliornia agriculture. Bakersfield received 2.51" of rain in March compared to normal of approximately 1"...The last week saw 1.5" of that total.

CALIFORNIA, Southeast

| | NONE R | EPORTED. | | | |
|--|--------|--------------------|---|---|------------|
| CALIFORNIA, South | west | | | | |
| Orange County 8 W Huntington Beach | 13 | 1710PST 1720PST | 0 | 0 | Waterspout |
| Orange County 8 W Huntington Beach to 8 SW Huntington | 13 | 1712PST 1737PST | 0 | 0 | Waterspout |

Beach

Unstable conditions associated with a low pressure trough dropping down the California coast, spawned two waterspouts off of Huntington Beach. The waterspouts came very close to offshore platforms, but no damage was reported. These were part of a family of at least 6 waterspouts which a pilot report indicated stretched from near Seal Beach to Santa Catalina Island.

| | | Time Local/ | Path Length | Path | Number Person | | Estimated Damage | | March 1998 |
|-------------------------------|-------------|------------------------|-------------------|--------------------------------------|------------------|---------------|--|----------------------|--------------------|
| Location | Date | Local/ Standard | Length (Miles) | Width (Yards) | | is Injured | Damage Property Crops | Character of Storm | |
| CALIFORNIA, Sou | thwest | | | | | | | | |
| San Bernardino | | | | | | | | | |
| County | | | | | 0 | | | | |
| Hesperia | 14 | 1257PST 1302PST | | | 0 | 0 | | Funnel Cloud | |
| | | -off low press | ure center dr | | | | awned convection over | | Besides hail and |
| ~ ~ ~ | gusty | winds, one of | the squall line | es produced a fu | innel cloud nea | r Hesper | ia, which was visible f | for some 20 miles. | |
| Orange County San Clemente | 25 | 1100PST | | | 0 | 0 | | Heavy Rain | |
| San Clemente | 20 | 1500PST | | | U | U | | Heavy Kall | |
| Orange County | | | | | | | | | |
| San Clemente | 25 | 1200PST 1600PST | | | 0 | 0 | | Urban/Sml St | ream Fld |
| | A stro | | | trough moved | into southwest | ern Calif | ornia accompanied by | areas of heavy rain | n and snow in the |
| | | | | | | | vy in San Clemente a | | |
| | | 5 | | r was gushing s s reporting flood | | | at it pushed parked ca | ars around and impe | eded uphill travel |
| CAZ055>056-058 | • | | | | - | | ntains - San Diego | County Mounta | ine |
| CAL0552050-050 | 28 | 0000PST | | | | 0 | intains - San Diego | Heavy Snow | |
| | 29 | 0900PST | | | | | | - | |
| CAZ042 | | ige County (| | n | 0 | 0 | | | |
| | 28 | 1000PST 2200PST | | | U | U | | High Wind (G | r01) |
| CAZ043 | San I | Diego Count | | | | | | | |
| | 28 | 1200PST | | | 0 | 1 | | Wind | |
| C A 7059 | Son I | 1600PST Diago Count | | NG | | | | | |
| CAZ058 | 28 | Diego Count 2000PST | | 15 | 1 | 0 | | Cold | |
| | 29 | 0800PST | | | | | | cona | |
| C + 70 42 | M240 | | G (| | | | | | |
| CAZ043 | San 1 28 | Diego Count 2030PST | | | 0 | 5 | 300K | Small Hail | |
| | -0 | 2230PST | | | Ū | · | 00011 | Sinun mun | |
| Riverside County | • • | | | | | | | | |
| Lake Elsinore | 29 | 1250PST 1300PST | | | 0 | 0 | | Dry Microbur | rst |
| San Diego County | | 1500151 | | | | | | | |
| Dulzura | 29 | 1508PST | | | 0 | 0 | | Funnel Cloud | |
| | A daa | 1513PST | | a trough produ | and unusually | cold la | to concon winter stor | m conditions through | achout couthwas |
| | | | | | | | te season winter stor the twenty- eighth, and | | |
| | twenty | v-ninth. Thirty | to forty mph | wind gusts wer | re reported alor | g the Or | ange County Coast m | uch of the twenty-ei | ighth. Peak gusts |
| | | | | | | | trees blew down onto | | |
| | | | | | | | trong winds knocked damaged when wind | | |
| | | | | | | | arage and took down p | • • | |
| | Althor | uch it was lata | in the season | this storm wa | , the coldest of | the onti | ra winter An illagal | immigrant diad of a | vnogura ogrly on |
| | | - | | | | | re winter. An illegal | • | · · |
| | | | | - | • | | ween 3000 and 5000 t | | |
| | - | - | | | - | • | drifting and road clos | - | |
| | | | | | • | - | luced enough ice pell and strawberry crops, | | - |
| | Deer S | Springs sent 5 | people to area | a hospitals. In | a Lake Elsinor | e neighb | orhood, an apparent n | nicroburst uprooted | |
| 0 | two 20 |)-foot sections | of roofing til | es from a home. | A funnel clou | d was sp | otted that afternoon no | ear Dulzura. | |
| Orange County | 31 | 0840067 | | | 0 | A | | Watermant | |
| 1 SW Huntington Beach to | 31 | 0840PST 0845PST | | | U | 0 | | Waterspout | |
| | | | | | | | | | |

| Location Date CALIFORNIA, Southweet Corange County 1 N Huntington Beach 31 Orange County 31 Orange County 31 Orange County 32 Orange County 33 Orange County 31 Orange County 32 SSW El Toro Mcas 31 | ^{bate} St est 1 | andard 1020PST 1024PST 1034PST | Length (Miles) | Width (Yards) | Persor Killed 0 | 15 Injured | Damage Property Crops | Character of Storm |
|--|--|---|--|---|--------------------------------|-----------------------|---|---|
| Orange County 1 N Huntington Beach 31 Orange County 3 SSW El Toro Mcas 31 Orange County | <u>est</u> 1 | 1020PST 1024PST | (********) | (1803) | | -injui (d | roperty Crops | |
| Orange County 1 N Huntington Beach 31 Orange County 3 SSW El Toro Mcas 31 Orange County | 1 | 1024PST | | | 0 | | | |
| 1 N Huntington Beach31Orange County33 SSW El Toro Mcas31Orange County | | 1024PST | | | 0 | | | |
| 3 SSW El Toro Mcas 31 Orange County | 1 | 1034PST | | | Ū | 0 | | Funnel Cloud |
| | | 1038PST | | | 0 | 0 | | Funnel Cloud |
| | 1 | 1044PST 1054PST | | | 0 | 0 | | Funnel Cloud |
| San Diego County 5 W San Onofre 31 | 1 | 1100PST 1110PST | | | 0 | 0 | | Waterspout |
| Orange County 2 SE Seal Beach to 3 SE Seal Beach | 1 | 1507PST 1515PST | | | 0 | 0 | | Funnel Cloud |
| fu er w H | unnel clo nforceme aterspou lighway v | ud and water ent, lifeguard ts. One wate without causi | rspout deve s, and train erspout brien ng any dam | lopment off the ned spotters re fly hit the coast | Orange and r ported at leas | orthern S t 14 sig | San Diego County coa htings of funnel clou | storm, set the stage for widespr sts during the morning hours. L ds, at least two of which beca cly dissipated near the Pacific Co |
| CAZ060 A 31 | | nd Yucca V 1400PST 2000PST | alleys | | 0 | 0 | | High Wind (G44) |
| CAZ055 Sa | | nardino Co 2000PST 2359PST | ounty Mou | ıntains | 0 | 0 | | Heavy Snow |
| th | ne San B | | ountains. V | ictorville report | | | | he Victor Valley, and heavy snov o eight inches of snow had faller |
| CALIFORNIA, Upper | | | | | | | | |
| Siskiyou County | • | 12000007 | | | 0 | 0 | | и в: |
| | 3 An intense | | | | | | heavy rains around the ches by midday Friday | Heavy Rain e Mt. Shasta area Thursday and e |
| Siskiyou County | 5 | | | 0 1 | , | | 5 5 5 | |
| Ft Jones2223 | 3 | 0800PST 0800PST .41 in during | past 24 hrs | i. | 0 | 0 | | Heavy Rain |
| Siskiyou County | | | | | | | | |
| | 3 Rainfall 3 | 1600PST 1600PST .84 in during | * | | 0 | 0 | | Heavy Rain |
| re | eports rai | nged from 1. | 5 to nearly | | Scott Valley | | | ia on the 22nd and 23rd. Rain eams and rivers were near bankt |
| CALIFORNIA, West So | outh Ce | <u>entral</u> | | | | | | |
| Los Angeles County Long Beach 13 | | 1925PST 1930PST | | | 0 | 0 | | Funnel Cloud |
| | A spotter | in the comm | unity of Loi | ng Beach report | ed a funnel clo | oud. | | |
| San Luis Obispo County | | 1 | | | ~ | | | |
| San Luis Obispo 24 25 | | 1500PST 0700PST | | | 0 | 0 | | Urban/Sml Stream Fld |
| Santa Barbara County Goleta 24 25 | | 1500PST 0700PST | | | 0 | 0 | | Urban/Sml Stream Fld |

| | S | torm D | ata ai | nd Unu | sual W | eathe | r Phenom | iena |
|---------------------------------|--|---|--|--|--|--------------------------------------|---|--|
| Location | Date | Time Local/ Standard | Path Length (Miles) | Path Width (Yards) | Number Person Killed | s | Estimated Damage Property Crops | March 199 Character of Storm |
| CALIFORNIA, West | t South | <u>Central</u> | | | | | | |
| Ventura County Thousand Oaks | 24 25 | 2200PST 1345PST | | | 0 | 0 | | Urban/Sml Stream Fld |
| Los Angeles County Burbank | 25 | 0200PST 1700PST | | | 0 | 0 | | Urban/Sml Stream Fld |
| | across Obispo reports | coastal areas v , the Pacific C of minor urba | vith up to fo coast Highwa n flooding. | our inches in th ay was closed Across Ventur | e mountains. Fo due to flooding a county, urban | ortunately, In Goleta flooding | the rainfall only can , the rain backed up | totals ranged from around one in used nuisance flooding. In San Lu o storm drains, producing numero communities of Ojai and Thousa n the Burbank area. |
| CAZ052>054 | The S | anta Monica | | ntains - Vent | - | | ns - Los Angeles (| County Mountains Excluding |
| | | | | ow to the mou at Mount Bald | | 0 ern Califor | nia. At resort levels | Heavy Snow snowfall amounts ranged from o |
| CAZ052>054-059 | Santa | Barbara Co | ounty Mou | | tura County I | Mountaiı | ns - Los Angeles (| County Mountains Excluding |
| | 31 | 1200PST 2330PST | | | 0 | 0 | | Heavy Snow |
| Los Angeles County | the mo signific in the f trees we | untains, Moun ant snow accu oothills of Pala ere reported do | t Wilson rep mulations w ndale. In fac | oorted 8 inches ere reported in | of snow while the foothills. La forced the closu nowfall. | Lockwood Canada re are of High | d Valley reported 9 ported 5 inches of sr | opped down to 2000 to 2500 feet. inches. With such low snow leve ow while up to 6 inches of snow f ale Boulevard to Aqua Dulce. Man |
| Santa Monica | 31 A spot | 1330PST 1340PST ter in the Santa | Monica are | a reported two | 0 funnel clouds. | 0 | | Funnel Cloud |
| CALIFORNIA, West | - | | | | | | | |
| | NONE | REPORTED. | | | | | | |
| COLORADO, Centr | | | | | | | | |
| COZ050 | 01 | vick And Ph 1100MST 1500MST | | | 0 | 0 | 0 | High Wind (G59) |
| | High w | vind gusts of 6 | 2 mph and 6 | 8 mph (54 kts a | und 58 kts) were | e recorded | 4 miles east of Haxt | un. |
| COZ033>034 | | t Ears & Me /Indian Pea | | w Ranges/Ro | • | | | t County/Mosquito |
| | 04 | 0000MST 1200MST | | | 0 | 0 | 0 | Heavy Snow |
| | Eldora | and Winter Pa | rk, 8 inches | at Arapahoe Ba | sin and Berthou | id Pass and | 17 inches at Brecker | • |
| COZ035>036- 038>041-043 | Footh Count Count | ills/Clear Cı ty/Boulder A ties/Castle R | eek Basin and Vicinit ock And V | - Eastern La ty - Denver N | rimer And N Ietropolitan thern Weld (| orthwest Area - Ea County/G | ern Weld Counti astern Douglas A reeley And Vicin | |
| | Hosa E Collins | xit, 10 inches , North Thorr | ortions of th 3 miles wes iton and at \$ | t of Evergreen, Standley Lake. | 8.5 inches at E | Broomfield wfall totals | , 8 inches at Bailey | Heavy Snow included: 11 inches near the Chi with 7 inches 4 miles north of Fe inches. Several accidents occurr |

| | S | torm l | Data ar | nd Unu | sual W | eath | er Phe | nom | ena | | |
|------------------------------------|---|---|--|--|--|--|--|--|---|--|--|
| Location | Date | Time Local/ Standard | Path Length (Miles) | Path Width (Yards) | Number Persor Killed | | Estimate Damage Property | | March 1998 Character of Storm | | |
| COLORADO, Centra | l and l | Northeast | | | | - | | | | | |
| COZ033>036-038>041 | Rabb Rang South Easte | it Ears & N e/Indian Pe ern Front 1 rn Boulder | aks - Northe Range Footh County/Bou Castle Rock | ern Front Ra uills/Clear C | ange Foothill reek Basin - icinity - Denv | s/Upper Eastern | Laramie An Larimer An | nd Cac 1d Nor | County/Mosquito he La Poudre River Basins - thwestern Weld Counties - astern Douglas And Western Winter Storm | | |
| | | | om areas west | | 5 to the Contine eported along w | | | | conditions developed. Two to 3 1/2 rridor. | | |
| | Blackh Exit ar at Broo | awk, 31 incl d Nederland, | hes at Allenspa 25 inches at R wood, Table N | ark, 30 inches collinsville and | at Eldora, 29 i Gross Reservo | nches at 0 ir, 21 incl | Coal Creel Can nes at Evergree | nyon, 27 en, 20 in | s at Aspen Springs, 33 inches near 'inches at Conifer, the Chief Hosa ches at Carter Lake, 15 to 19 inches Elsewhere snowfall amounts ranged | | |
| Denver County Denver | occup | ying, into a ne | nding a birthd eighbour's yarc | | ise scraped the | | | | Dry Microburst an inflateable playhouse they wer se, then landed in the adjoining yard | | |
| COLORADO, East C | entral | | | · · | | | | | | | |
| Cheyenne County 3 SE Arapahoe | | | ph thunderstor | | 0 lew small kitche allen drums roll | | 1K 30 feet into t | ree. Lif | Thunderstorm Wind (G70) ted children's wagon about 4 feet of | | |
| COLORADO, South | Centra | l and Sout | theast | | | | | | | | |
| COZ060>061- 065>066-070-074>075 | La Garita Mountains - Eastern San Juan Mountains - Northern Sangre De Cristo Mountains - Southern Sangre De Cristo Mountains - Wet Mountains - Upper Huerfano River Basin/Walsenburg And Vicinity - Upper Purgatoire River Basin/Trinidad And Vicinity 06 0500MST 0 0 0 Winter Storm | | | | | | | | | | |
| | the heat Snowf mounta Beulah | avy snowfall, all totals rang ains8 to 10 | m moved acro strong gusty ged from 18 to inches at Cuo | winds at 15 to 26 inches at chara in the so | 0 35 mph produ Wolf Creek Pa puthern Sangre | iced wide iss and th de Cristo | espread blowin e town of Cre mountains6 | ng and c eede in t 5 to 8 in | he morning of the 7th. In addition to drifting snow across the mountains. he Eastern San Juan and La Garita iches in Westcliffe and at Rye and hern foothills, including Walsenburg | | |
| COZ060>081 | Alam South North Paso Easte Uppe Easte | osa County Iern Sangre Iern Custer County/Col rn Fremon r Purgatoir rn Las Ania | /Alamosa A De Cristo M Counties - 1 lorado Sprin t Counties/P re River Basi mas County | nd Vicinity - Mountains - ' Upper Arka Igs And Vici ueblo And V in/Trinidad - Kiowa Co | - Southern Sa Teller Count nsas River V nity - Northe /icinity - Upp And Vicinity | n Luis ' y/Ramp alley/Sa rn El Pa ber Huer - Crow County/I | Valley - Nor art Range/F lida And Vig aso County// fano River ley And Ote Las Animas | thern S Pikes Po cinity - Monum Basin/ ro Cou | y/Del Norte And Vicinity - Sangre De Cristo Mountains - eak - Western Fremont And Wet Mountains - Southern El nent Ridge - Pueblo And Walsenburg And Vicinity - unties/La Junta And Vicinity - icinity - Prowers | | |
| | 18 | 0000MS | | - Data Cou | 0 | 0 | vicinity | | Winter Storm | | |
| | evenin The st snowfa include Luis V | g. Heavy sno orm shut dow all amounts ra ed: 1 to 4 incl alley with as | m system mov ow fell in many wn nearly all anged from 15 hes across the much as 10 in | y parts of south except emerge inches at the southwest mounches in Anton | a central and souncy services an Colorado Sprin intains with as ito, 4 to 12 inc | utheast Co nd caused gs airport much as 1 hes acros | blorado on the l numerous tr to 34 inches 2 inches at W s the southeas | 18th thr affic acc near Mo Volf Cree t foothil | ig north central New Mexico by the ough the early morning of the 19th. cidents in Colorado Springs, where nument Hill. Other snow amounts ek Pass, 1 to 4 inches across the San Is and high valleys, 15 to 20 inches cross all of the southeast plains. | | |

| | S | torm | Data a | nd Unu | sual W | eath | er Pheno | mena | | | |
|------------------------------------|--|--|------------------|-----------------|-------------------|------------|-------------------------------------|---|--|--|--|
| Location | Date | Time Local/ | Path Length | Path Width | Number Persor | 15 | Estimated Damage | March 199 Character of Storm | | | |
| | | Standard | (Miles) | (Yards) | Killed | Injured | Property Crops | S Character of Storin | | | |
| COLORADO, South (| | | | | | | | | | | |
| COZ061-067-074>075 | | | | | | | e/Pikes Peak - U sin/Trinidad Ai | pper Huerfano River | | | |
| | 26 | 1300MS | | inty - Opper | 0 | | Sill/ I Thildad Al | Heavy Snow | | | |
| | 27 | 0800Ms | | m couthern N | wada aaroos so | uthorn Co | lorado the ofterno | on and evening of the 26th through t | | | |
| | | | | | | | | and southeastern foothills. Across t | | | |
| | | | | | | • | | l of 11 inches, while Creede received | | | |
| | | tallied 4 inc | | nills, Trinidad | and walsenburg | g received | around 6 inches o | f snow, while Woodland Park in Tel | | | |
| COZ060>061- | • | | | ern San Juai | n Mountains | - Northe | ern Sangre De C | Cristo Mountains - Southern | | | |
| 065>067-070>075 | Sangre De Cristo Mountains - Teller County/Rampart Range/Pikes Peak - Wet Mountains - Southern El Pas | | | | | | | | | | |
| | County/Colorado Springs And Vicinity - Northern El Paso County/Monument Ridge - Pueblo And Eastern Fremont Counties/Pueblo And Vicinity - Upper Huerfano River Basin/Walsenburg And Vicinity - Upper | | | | | | | | | | |
| | | | | idad And Vi | | | ver Dasiii/ waise | anourg And Vicinity - Opper | | | |
| | 28 | 0000MS | ST | | · 0 | 0 | | Winter Storm | | | |
| | 30 A stroi | 1500MS ng winter sto | | ved from the C | Freat basin acro | ss souther | rn Colorado, bringi | ing heavy snow to the Eastern San Ju | | | |
| | and La | a Garita mou | intains on the | 28th through m | idday of the 29 | th. Wolf | f Creek Pass report | ted a storm total of 19 inches, and w | | | |
| | | | - | | | | | reported 9 to 10 inches of snow. T | | | |
| | storm continued to track east, bringing snow to the Sangre De Cristo mountains, the Wet mountains, Teller county, and the near foothills and plains on the 30th. Across this area snowfall totals ranged from 4 to 10 inches, with Woodland Park in Teller courses the state of the st | | | | | | | | | | |
| | | - | | | the southern S | angre de | Cristo mountains, | Beulah and Rye in the Wet mountain | | | |
| COLORADO, West | and w | alsendurg sa | w 8 to 10 inche | es of show. | | | | | | | |
| COZ004-010-012 | Elkhe | ad And Pa | ark Mountai | ns/Flat Tons | /White River | Plateau | - Gore And Ell | k Mountains/Central Mountain | | | |
| 002004 010 012 | | | | | | | ins/Taylor Parl | | | | |
| | 04 05 | 0000MS 0000MS | | | 0 | 0 | | Heavy Snow | | | |
| | | | | about a foot | of new snow i | n most ne | orthern and centra | l mountain areas of western Colora | | | |
| | | | | | | | * | d 15 inches at Snowmass Ski Area. | | | |
| COZ004-009>010-012- 017>021-023 | | | | | | | | Battlement Mesas - Gore And E watch Mountains/Taylor Park | | | |
| 0172021-025 | Mountains/Central Mountain Valleys/Aspen And Vicinity - West Elk And Sawatch Mountains/Taylor Park - Uncompangre Plateau - Northwestern San Juan Mountains - Southwestern San Juan Mountains - Paradox | | | | | | | | | | |
| | Valle | y/Lower D | olores River | - Four Corn | | | | d Vicinity - San Juan River | | | |
| | Basin 05 | Pagosa Sp/ 2000M | orings And V | /icinity | 0 | 0 | | Winton Storm | | | |
| | 03 07 | 2000MS | | | U | U | | Winter Storm | | | |
| | A Pacific trough generally produced 8 to 12 inches of snow in most mountain areas of western Colorado as well as 6 to 10 inches in | | | | | | | | | | |
| | | some lower elevation areas of southwest Colorado. Heavier amounts included 23 inches at Purgatory Ski Area, 18 inches at Telluride Ski Area, 18 inches at Fish Creek just northwest of Rico, and 16 inches at McClure Pass. Strong winds caused areas of | | | | | | | | | |
| | blowin | ng and driftir | ng snow. Gust | • | | | | as, while gusts of 40 to 50 MPH we | | | |
| CO7002 | | ed at lower e | | Cueia Herd | on And Vicin | | | | | | |
| COZ002 | 06 | rai Yampa 2100MS | | /Craig-Hayo | en And Vicir 0 | шу 0 | 0.50K | High Wind (G72) | | | |
| | G (| 2130MS | | 110 / | . 1 | ADII (70.1 | | | | | |
| | | | | | e gusted to 83 M | | | a Valley Regional Airport near Hayde | | | |
| COZ010 | | • | - | | tain Valleys/ | | • | | | | |
| | 08 | 1500MS | ST | | 1 | 0 | - | Avalanche | | | |
| | | | | | | | | v of the Aspen Mountain Ski Area at ertical feet. M43OU | | | |
| COZ001>002-007- | | | | - | | | | sin/Craig-Hayden And Vicinity | | | |
| 009>010-012-018 | | - | - | 0 | | | lement Mesas - | | | | |
| | | | | - | spen And Vic | inity - V | Vest Elk And Sa | watch Mountains/Taylor Park | | | |
| | Norti 17 | iwestern Sa 2000Ms | an Juan Mo ST | untaills | 0 | 0 | | Winter Storm | | | |
| | 18 | 2000MS | ST | | | | a de la de la c | | | | |
| | | * | | | | | | n Juan Mountains as well as the cent on areas of northwest Colorado, Gus | | | |

An upper low and surface cold front produced 10 to 20 inches of snow in the northwest San Juan Mountains as well as the central mountains of western Colorado. 6 to 10 inches of snow also fell in some of the lower elevation areas of northwest Colorado. Gusty

| | | Time | Path | Path | Number | | Estimated | March 1998 | | | |
|-------------------------------------|--|--|-------------------|------------------|-------------------|---------------|--------------------------|--|--|--|--|
| Location | Date | Local/ Standard | Length (Miles) | Width (Yards) | Persor Killed | ıs Injured | Damage Property Crops | Character of Storm | | | |
| COLORADO, West | | | | | | | | | | | |
| | winds | s of 30 to 50 M | IPH produced | areas of blowir | ng and drifting s | now. | | | | | |
| COZ002 | | | | /Craig-Hayd | en And Vicin | | | | | | |
| | 25 26 | 2230MS | | | 0 | 0 | 60K | Flood | | | |
| | | 0500MS asonably warn | | s rapidly melte | d a large amou | int of sn | now at the headwater | s of Fortification Creek, resulting in | | | |
| | | | | | | | | ents and garages flooded. Sections of | | | |
| | | • | • | d 7 were washed | • | | | | | | |
| COZ018>019 | | | | untains - Sou | | | n Mountains | | | | |
| | 26 27 | 1800MS 0600MS | | | 0 | 0 | | Heavy Snow | | | |
| | | | | n San Juan Mou | ntains with 6 to | 10 inch | es of new snow. Tellu | uride Ski Area was the exception with | | | |
| | 14 inches. | | | | | | | | | | |
| COZ009-012-017>019 | Grand And Battlement Mesas - West Elk And Sawatch Mountains/Taylor Park - Uncompahgre Plateau - Northwestern San Juan Mountains - Southwestern San Juan Mountains | | | | | | | | | | |
| | | | | untains - Sou | thwestern Sa | | n Mountains | | | | |
| | 27 29 | 1600MS 0800MS | | | U | 0 | | Winter Storm | | | |
| | | A moist southwest flow produced 10 to 20 inches of snow over most central and southern mountain areas of western Colorado. | | | | | | | | | |
| | | Some heavier amounts included 36 inches at Purgatory Ski Area, 31 inches at Coal Bank Pass, and 29 inches at Chattanooga near Red Mountain Pass. Wind gusts of 45 to 65 MPH were common in the mountains. Mount Abrams in the northwest San Juan | | | | | | | | | |
| | | | 0 | | | | | | | | |
| | | - | • | avy snow and av | | • | | ulted in over 50 known avalanches in | | | |
| Garfield County | | | | | | j - | | | | | |
| 6 E Glenwood Spgs | 27 | 2200MS | T | | 0 | 1 | 20K | Heavy Rain | | | |
| | | 2215MS | - | | 1 | D | 1.1 | | | | |
| | | | | | | | ceived minor injuries. | n diameter smashed into two cars and | | | |
| COZ019 | | hwestern Sa | | • | one person and | u dog i et | cerved minor injuries. | | | | |
| | 29 | 0200MS | | untums | 0 | 0 | 75K | Avalanche | | | |
| | An avalanche destroyed a cabin 7 miles north-northeast of Silverton near Gladstone. The lone resident of the cabin managed escape the ruins unharmed. At least 50 other avalanches were reported over the weekend in the San Juan Mountains. | | | | | | | | | | |
| ~~~~ | - | | | | | - | | | | | |
| COZ004>005-010-018 | Elkhead And Park Mountains/Flat Tops/White River Plateau - Upper Yampa River Basin/Steamboat Springs And Vicinity - Gore And Elk Mountains/Central Mountain Valleys/Aspen And Vicinity - Northwestern San | | | | | | | | | | |
| | | Mountains | | k Mountains/ | Central Mot | intain | vaneys/Aspen And | id Vicinity - Northwestern San | | | |
| | 30 | 1500MS | | | 0 | 0 | | Heavy Snow | | | |
| | 31 | 0800MS | | | | | | - | | | |
| | | A Pacific low produced 6 to 12 inches of snow in some mountain areas of western Colorado. Heavier amounts included 18 inches at Vail Ski Area, 15 inches at Steamboat Springs Ski Area, and 13 inches at Telluride Ski Area. | | | | | | | | | |
| CONNECTICUT N. | | | inches at Ste | amboat Springs | Ski Area, and | 3 inches | s at Telluride Ski Area | L. | | | |
| CONNECTICUT, No | | | 1 1174 11 | | | | | | | | |
| CTZ002>004 | Hart 08 | ford - Tolla 1600ES | | am | 0 | 0 | | Heavy Rain | | | |
| | 09 | 2200ES | | | U | U | | meavy Ram | | | |
| CTZ002>004 | Hart | ford - Tolla | nd - Windh | am | | | | | | | |
| | 09 | 0800ES | | | 0 | 0 | | Strong Winds | | | |
| | | 2200ES | ľ | | | | | | | | |
| Hartford County West Hartford to | 09 | 1300ES | г | | 0 | 0 | | Flood | | | |
| Southington | 10 | 1300ES | | | U | U | | Flood | | | |
| Windham County | | | | | | | | | | | |
| Warrenville | 09 | 1600ES | Г | | 0 | 0 | | Flood | | | |
| CTZ002 | Hart | | | | | | | | | | |
| | 11 | 1300ES | | | 0 | 0 | | Flood | | | |
| | 12 | 2300ES' | | alowly porthog | at from the Ohi | o Volley | to the eastern Great I | akes brought strong winds and heavy | | | |

A powerful storm system moving slowly northeast from the Ohio Valley to the eastern Great Lakes brought strong winds and heavy rainfall to Connecticut, which resulted in urban street flooding, basement flooding, small stream flooding, and main stem river flooding. At times, the rainfall was torrential, especially in thunderstorms during the evening of March 9th.

Rainfall totals of 3 to 5 inches were reported across northern Connecticut. Some of the greatest totals included: Storrs, 4.86"; Willimantic, 4.50"; South Windsor, 4.00"; Glastonbury, 3.86"; Woodstock, 3.80"; Wethersfield, 3.77"; Newington and Scotland, 3.60"; and Southington, 3.56". A new record daily rainfall total for March 9th was established at Bradley International Airport,

| | Storn | n Data ai | nd Unu | sual We | ather | Phenomena | |
|--------------|---|--|--|--|---|---|-----------------------------------|
| Location | Time Local/ Date Standar | Path Length | Path Width | Number of Persons | | Estimated March Damage | 1998 |
| CONNECTICUT, | Standard | d (Miles) | (Yards) | Killed Ir | jured Prop | perty Crops Character of Storm | |
| CONNECTICUT, | Windsor Locks, | with 2.40". | | | | | |
| | crested at 5.0 fe stage at 1:20 Pl March 9th. In crested at 8.5 fe The Connecticu | et at 9:45 PM and M on March 9th a Windham County et at 12:00 AM or t River reached fl | I then fell below at West Hartford , at Warrenville a March 10th, th ood stage of 16 | 7 flood stage at 1 d. Another unid e, the Mount Hop en fell below flo feet at Hartford | 1:00 AM on entified strea pe River reac od stage at 6: at 1 PM on 1 | d flood stage of 3.5 feet at 1:00 PM on March March 10th. One unidentified stream reached um reached flood stage in Newington at 1:25 P ched flood stage of 7 feet at 1:00 PM on March :00 AM on March 10th. March 11th, crested at 16.9 feet at 10 AM on M e at Simsbury crested at 11.7 feet at 9 PM on the | flood PM on h 9th, March |
| | | l stage, which is 1 | | 12ui. The Fain | ington Kiver | at Shilsbury crested at 11.7 feet at 9 FW on the | 2 100 |
| CTZ002 | Strong south wi Hartford | nds occurred after | the passage of | a warm front du | ing the mid to | to late morning hours. Winds gusted to 40 to 55 | 5 mph |
| | 19 1800 | DEST DEST | | 0 | 0 | Heavy Rain | |
| CTZ002>003 | Hartford - To | | parts of Hartford | 0 County. A tota | | hes fell at Hartford in about a 24-hour period. | |
| | 22 0800 A strong very e coast on March Connecticut, wl inches occurred | DEST early Spring nor'ea 21st, passing to t nich was mixed w | the southeast of ith periods of sl gs, while some | l by a low press Cape Cod on M eet. Snowfall to other amounts in | farch 22nd. otals of 6 to 9 | Heavy Snow which moved to the north-northeast from the Vi This storm brought heavy snow to parts of nor 0.5 inches were reported. The maximum total of ndsor, 8.5 inches; Unionville and West Hartfor | orthern of 9.5 |
| CTZ002 | Hartford 27 1543 | BEST | | 0 | 0 | Record Warmth | |
| CTZ002 | On March 27th record for the c International Ai | late of 76 degrees | set back in 19 Locksthe mean | 45. On March 2 n temperature for | 28th, the war the day was | Record Warmth indsor Locks soared to 82 degrees, breaking th mest March day on record was recorded at Br 70 degrees, breaking the old record of 69 degre record of 83 degrees set in 1989 and prior year | radley ees on |
| CTZ002 | Hartford |)EST | | 0 | 0 | | 13. |
| | 31 2359 Record warm te dam releases ca | DEST emperatures produ aused the Connec e flood stage into | ticut River to r | w melt across no ise above flood | orthern New H stage of 16 t | Flood England and the combined effects of rapid runo feet at 10 AM, March 30th at Hartford. The her information. Flood-prone land outside of | river |
| CTZ002 | At 1:30 PM, th temperature rec 89 also shattere | ord for the month | of March. The | previous record f 71 degrees, se | was 87 degre t on March 3 | Record Warmth s, reached 89 degrees. This set a new all-time rees set on March 30, 1977. The high temperatu 31, 1986. Also, at many weather stations, the n the season. | ure of |
| CONNECTICUT, | Northwest | | - | - | · | | |
| CTZ001 | 15 0000 During March | | | | | Winter Storm hwest Connecticut. The greatest snowfall occur reported across the county. Ten inches of snow | |
| CTZ001 | |)EST)EST | | 0 | 0 | Wintery Mix | |

During March 21 and 22, a coastal storm produced a mix of snow, sleet and freezing rain across Litchfield County. Snow totals in this region generally ranged from 1 to 3 inches before the precipitation changed to a mix of sleet and freezing rain.

| | | Time | Path Longth | Path | Numbe | | Estimated | March 1998 | | |
|---------------------------------|---|--|-------------------|-----------------------------|------------------|---------------|------------------------------------|--|--|--|
| Location | Date | Local/ Standard | Length (Miles) | Width (Yards) | Perso: Killed | ns Injured | Damage Property Crops | Character of Storm | | |
| CONNECTICUT, No | orthwes | <u>t</u> | | | | | | | | |
| CTZ001 | | 1200EST 1900EST and of March w ced a persistent | | | | | | Excessive Heat a pressure off the Mid-Atlantic coas ratures ranged from the upper 70s to | | |
| CONNECTICUT, So | | 1 90. | | | | | | | | |
| Fairfield County | | | | | | | | | | |
| Countywide | 09 | 0100EST 1800EST | | | 0 | 0 | | Urban/Sml Stream Fld | | |
| New Haven County Countywide | 09 | 0100EST 1800EST | | | 0 | 0 | | Urban/Sml Stream Fld | | |
| New London County Countywide | 09 | 0200EST 2000EST | | | 0 | 0 | | Urban/Sml Stream Fld | | |
| | Two low pressure systems formed along a front over the Southeast U.S. One low formed over the Western Gulf of Mexico at another formed off the Southeast U.S. Coast. As both lows moved north-northeast, they intensified. A strong moist east wind flo developed ahead of the approaching strong warm front. This system produced widespread heavy rainfall including thunderstorms that caused widespread urban and small stream floodir | | | | | | | | | |
| | A 250 foot stretch of Steamboat Road in Greenwich was closed due to flooding. The Still River in Danbury overflowed its' bank behind the Danbury Fair Mall and in back of Stew Leonard's on Federal Road. In Newtown, a dam split, causing the Pootatuc River to rise. Employees inside two mills along the river evacuated. In Naugatuck, water inundated several home basement Widespread urban and small stream flooding also occurred in New London County. Rainfall began around 1:30 pm on March 8th across coastal Connecticut and spread north by 5 pm. It became heavy and produce flooding at the times shown above. This system also produced strong wind gusts from 40 to 55 mph that in combination with the heavy rain caused some tree limbs fall along with scattered power outages. A vessel sank in the waters off Pear Tree Point Beach (Fairfield County) around 5:25 a on Monday, March 9th. Rainfall amounts generally ranged from around 2 1/2 to just over 4 inches. Here are selected rainfall amounts: | | | | | | | | | |
| | set at Bridgeport. The old record was 0.48 inches in 1995. o For New Haven County, from 3.19 inches at Ansonia to 4.10 inches at North Branford. | | | | | | | | | |
| CTZ006-008-010 | | | | 2.95 inches at thern New Lo | | | t the Norwich Public U ew Haven | Julities. Flood | | |
| | Two low pressure systems formed along a front over the Southeast U.S. One low formed over the Western Gulf of Mexico and another formed off the Southeast U.S. Coast. As both lows moved north-northeast, they intensified. A strong moist east wind flow developed ahead of the approaching strong warm front. | | | | | | | | | |
| | and sm | all stream flood | ding across | the area. | C | | | e river flooding and widespread urban | | |
| | | | | | | • | | stage from 12:15 pm on March 9th rch 9th around 8:30 pm. | | |
| | - | | | | | • · | | lood stage from 8 am on March 9th h 9th around 11:05 pm. | | |
| | The Ya | antic River at N | lorwich (No | orthern New Los | ndon County) v | vas at or | above its' flood stage | from 8:30 pm on March 9th through | | |

| | | | D. í | | | <u></u> | | | Manak 1000 | | |
|------------------------------------|---|--|--------------------------------|--------------------------|-------------------|--------------|---|-----------------------|-------------------|--|--|
| Location | Date | Time Local/ Standard | Path Length (Miles) | Path Width (Vorda) | Number Persons | 8 | Estimated Damage | Character of Storm | March 1998 | | |
| CONNECTICUT, So | | Standard | (Willes) | (Yards) | Killed I | njured | Property Crops | character of Storin | | | |
| | | n on March | 10th. It crest | ed at 11.14 feet | (3.14 feet above | e its' flood | stage) on March 1 | 0th around 1:45 am. | The hardest hit | | |
| | areas along the river reach were near Yantic Flats up to Fireman's Field. The river also overflowed its' banks further downstream in the Norwich Town Mall, which sent water into the parking lot. | | | | | | | | | | |
| | | | | | | | | | | | |
| | Rainfall began around 1:30 pm on March 8th across Southern New Haven County and spread north by 5 pm. It became heavy an produced river flooding. Rainfall amounts generally ranged from 2 to 4 inches. Here are selected rainfall amounts: | | | | | | | | | | |
| | o For New Haven County, from 2.87 inches at Milford to 4.10 inches at North Branford. | | | | | | | | | | |
| | | | | | | | | | | | |
| Middlesex County | o For Northern New London County, from 3.31 inches at Jewett City to 3.89 inches at the Norwich Public Utilities. | | | | | | | | | | |
| Countywide | 09 | 1000ES | | | 0 | 0 | | Flood | | | |
| | another | 1900EST Two low pressure systems formed along a front over the Southeast U.S. One low formed over the Western Gulf of Mexico and another formed off the Southeast U.S. Coast. As both lows moved north-northeast, they intensified. A strong moist east wind flow developed ahead of the approaching strong warm front. | | | | | | | | | |
| | river fl due to Route | This system produced widespread heavy rainfall including thunderstorms that caused serious widespread urban, small stream, and river flooding. Twenty residents in Clinton, Middletown, Portland, Haddam, Durham and Middlefield had to evacuate their homes due to flooding. Torrential rain caused rapids to form on River Road in Middletown and caused a car to flip over in Cromwell at Route 3 and Sanford Lane. Parts of River Road were washed out. Significant flooding occurred in the area of Beaver Meadow Road, Candlewood Hill, and Hidden Lake. The Hidden Lake Causeway was closed to traffic for several hours because of flooding. | | | | | | | | | |
| | | Rainfall began around 1:30 pm on March 8th across coastal Middlesex County and spread north by 5 pm. It became heavy and produced flooding at the times shown above. Rainfall amounts ranged from 3 to 5 inches across the County. | | | | | | | | | |
| | • | - | oduced strong ered power ou | | n 40 to 55 mph | that in con | mbination with the | heavy rain caused so | ome tree limbs to | | |
| DELAWARE | | | | | | | | | | | |
| Kent County Countywide | 08 | 1100ES | Г | | 0 | 0 | | Heavy Rain | | | |
| | 09 | 1000ES | | | Ū | v | | iicavy Ram | | | |
| New Castle County Countywide | 08 | 1100ES | г | | 0 | 0 | | Heavy Rain | | | |
| | 09 | 1000ES | | | Ũ | 0 | | IIcuvy Itum | | | |
| Sussex County Countywide | 08 | 1100ES | г | | 0 | 0 | | Heavy Rain | | | |
| | 09 | 1000ES | | | | | | J | | | |
| New Castle County Coochs Bridge | 09 | 0845ES | Г | | 0 | 0 | | Flood | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| DEZ003>004 | Inland 09 | d Sussex - 1 0200ES 1000ES | | eaches | 0 | 0 | 0 | Wind | | | |
| | - | southeast wi | nds preceding | | | • | n's warm front brou attered power outage | ight wind gusts as st | rong as 40 to 50 | | |
| New Castle County | mpn ac | . Sos Busser | county during | , are mot hun of | ale yai. Boille | idery sea | mered power outlage | | | | |
| Coochs Bridge | 19 | 0610ES 1045ES | | | 0 | 0 | | Flood | | | |

| | | Time | Path | Path | Number | | Estimated | March | 1998 |
|--------------------------------------|---|--|--|--|--|---|--|--|--|
| Location | Date | Local/ Standard | Length (Miles) | Width (Yards) | Persor Killed | 1s Injured | Damage Property Crops | Character of Storm | |
| DELAWARE | | | | | | | | | |
| | Rain b per ho Cooch 9.4 fe pumpo | began again ac bur) between 2 hs Bridge, the et at 730 a.m. ed in moisture | cross northern 2 a.m. and 6 a river was abo EST. The lo from the Gul | Delaware durin a.m. EST on the ve its 9 foot flo ow pressure syst f of Mexico and | g the evening of 2 19th. This wood stage from 6 2 m responsible 2 the Atlantic O | of the 18 yas too m 510 a.m. e for the Ocean into | th and fell at a moder nuch for the saturated until 1045 a.m. EST rain was in the Ohio | ristina River the morning of the ate clip (around two tenths of a ground and the Christina Rive the morning of the 19th. It cre Valley the morning of the 19t States. Storm rainfall totals inc ina. | in inch er. At sted at h and |
| New Castle County Coochs Bridge | 21 | 0425ES | г | | 0 | 0 | | Flood | |
| Cours Bridge | A cou time to its floo ground had to Storm | 1200ES ⁴ ple of hours of his month. He od stage of 9 ds from previo be closed. We totals include | F f heavy rain we eavy rain fell l feet. It crester bus heavy rain thile the heavy ad 1.20 inches | between 2 a.m. a d at 10.55 feet a as this month m y rain was over l s at Newark and | the Christina l and 5 a.m. EST t 7 a.m. EST at ade the Christin by daybreak, so 1 1.18 inches a | River to f and at 4 nd the riv na River ome linge at the Net | 20 a.m. EST the Christ ver was back within flor respond rapidly. Sor ering light rain persiste | Castle County Delaware for the stina River at Coochs Bridge re bod stage at 905 a.m. EST. Sat ne low lying roadways near the d into the early afternoon on the bort. A low pressure system co | ached urated e river e 21st. |
| DEZ003>004 | Inlan 21 | nd Sussex - 1 1130ES | | eaches | 0 | 0 | | Coastal Flooding | |
| | the 21 Indian morni floodi paled that ca | st and the very n River Inlet ang high tide ong was limited in comparisonaused the mino | ure system he y early mornin nd 6.8 feet at n the 22nd. I to only a two n to the northe or tidal floodin | ng on the 22nd. Breakwater Ha Since the low n o tide cycle ever easters that batto | Tides averaged rbor during the noved quickly, at. Winds guste ered the region east from North | d between high tid winds sh ed to arou during 1 | n 2.5 and 3.0 feet above. I.e. The highest tides the northwest tides to the northwest and 45 mph along the late January and early | igh tide during the early afterno re normal and reached near 5.2 in most areas occurred with the around sunrise on the 22nd and immediate shore, but these con February. The low pressure s on the 21st, to just east of Del | feet at e early d tidal ditions system |
| DEZ001>004 | New 27 | Castle - Ker 1000ES | | Sussex - Dela | ware Beache 0 | | | Ungeogenebly Worm | |
| | 31 An ur March locatio tempe 30th a tempe | 1800ES' seasonably w a 27th through ons across the ratures includ at the New Ca rature record | F arm air mass n March 31st. Middle Atlan ed 88 degrees stle County A originally set | The warmest tic States establ s in Georgetown irport not only on March 21, 1 | brought record day was the 2 ished new Mar a and 86 degre established a n 948. New reco | 29th for rch month es at the ew recor- ord high | coastal areas and the hly high temperature of New Castle County d high for the day, bu temperatures were se | Unseasonably Warm across the Delmarva Peninsula 30th for inland locations. S records. Across the state, the h Airport. The 86 degree mark it also tied the all-time monthly t at the airport on the 27th, 30 easonal levels in early April. | everal ighest on the y high |
| DEZ001>004 | New | Castle - Kei | nt - Inland S | Sussex - Dela | • | - | <u>r</u> | | |
| | Penins weigh norma | sula. This led ted average, r | that has persit to the Christ monthly precip on was greate | ina River in Ne pitation totals w | w Castle Coun vere between 5 | ty reachi .1 and 5 | ng flood stage three t .8 inches and average | Unseasonably Wet ably wet month across the Del imes during the month. On a bd between 1.1 and 2.4 inches ties and slightly less, but still | county above |
| DISTRICT OF COL | UMBL | <u>A</u> | | | | | | | |
| District Of Columbia East Portion | 09 | 0500ES | | | 0 | 0 | | Flash Flood | |
| | previo easter closed interse | ous week's rain n half of the n l a stretch of ection of Hele | mping rainfal ns, causing sp netropolitan ar Rock Creek n Boroughs a | ootty flash flood rea. Automobile Parkway betwe nd Kenilworth | ling and creatin e and rail traffi- een Virginia A Avenue NE. P | ng one of c slowed venue at Poor drain | f the slowest morning to a near standstill th nd P Street NW. | ed saturated soil conditions fro g commutes in some time acro rough mid to late morning. Fle ligh standing water also close poding in Anacostia. Minor fle | oss the boding ed the |
| DCZ001 | Distr | ict Of Colu | | | | | | | |
| | 11 13 | 0700ES 0700ES | Г | | 0 | 0 | | Unseasonably Cold | |
| | A seri | es of cold from | nts ushered in | only the second | d arctic air mas | ss of the | winter of 1997/98. T | he unseasonably cold air, arriv | ing on |

| | | Time | Path | | | Estimated Damage | | | March 1998 | |
|---|--|--|---|--|-----------------------------|----------------------------|------------------------------|--------------------------|--|--|
| Location | Date | Local/ Standard | Length (Miles) | Width (Yards) | Per: Killed | sons Injured | Dan Property | nage Crops | Character of Storm | |
| DISTRICT OF COL | UMBL | A | | | | | | | | |
| | the he Japan damag noted Thoug | eels of a mild ar ese cherry trees ge was virtually to early bloomi | s, which had y unnoticed wh ng magnolia tr l temperature p | budded prema ten the final b rees. | turely due t looms appea | o the wet a ured during | mild condit the last we | ions in F ekend of | t of the year. Luckily ebruary, closed up er the month. Other mir 0s to around 40 and ni | hough such that nor damage was |
| DCZ001 | 27 31 After Under averag | rneath the high, ged in the mid 8 | oudy, wet cond , very warm a 30s and nightti | nd dry weathe | r developed equally balm | - more like | e early June opper 50s to | e than late lower 60s | Unseasonably V of strong atmospheric March. Daytime his A new record high the the 1963 record by | c high pressure. gh temperatures was achieved on |
| | jam. | | | | | | | | o full blossom, causing leaves within 5 days, | |
| FLORIDA, East Cen | tral | | | | | | | | | |
| Martin County Hobe Sound Osceola County | 01 | 0010EST | | | 0 | 0 | | | Hail (1.00) | |
| Kissimmee | | 0150EST egory F2 tornad of the damage | to touched dov | | | 0 bart of Kissi | 70K | | Tornado (F0) or damage to about 4 | 0 mobile homes. |
| Brevard County Cocoa Beach | 09 Thun | 0220EST derstorm winds | | ees and damag | 0 ed the roof c | 0 of a high sch | 50K hool buildin | | Thunderstorm a Beach. | Wind (G60) |
| Brevard County Patrick Afb | 09 Thun | 0229EST derstorm winds | | affic signals an | 0 Id produced | 0 a gust to 74 | 5K mph at Pat | | Thunderstorm | Wind (G64) |
| Okeechobee County 2 SW Okeechobee to 2 E Okeechobee | 09 | 0320EST | 4 | 100 | 0 | 10 | 5.4M | Ĺ | Tornado (F1) | |
| 2 E Okeechobee | Okee | | ng six busines | ses and nine h | omes. Thirte | en mobile l | homes and 1 | | The tornado moved a al vehicles were destr | |
| St. Lucie County 1 N Ft Pierce | build | | ched down at ado then move | | | | | 20 amus | Tornado (F1) ement park rides, blo overturned 8 planes | |
| Volusia County De Land | 20 | 1456EST | | | 0 | 0 | | | Hail (1.25) | |
| Volusia County New Smyrna Beach | 20 | 1510EST | | | 0 | 0 | | | Hail (1.00) | |
| St. Lucie County 12 W Ft Pierce | 20 | 1605EST | | | 0 | 0 | | | Hail (1.00) | |

Storm Data and Unusual Weather Phenomena Time Path Number of Estimated M

| | | Time Local/ | Path Longth | Path | | ber of | Estimated | March 1998 |
|-------------------------------|--------------|-----------------------------------|-------------------|------------------|---------------|-----------------|--------------------------|--|
| Location | Date | Local/ Standard | Length (Miles) | Width (Yards) | Killed | sons Injured | Damage Property Crops | Character of Storm |
| FLORIDA, Northea | stern | | | | | | | |
| | 3- Ham | | | | r - Nassau | - Duval | - Union - Bradfor | d - Clay - St. Johns - Gilchrist - |
| 035>038-040 | | hua - Putnan | 0 | - Marion | 0 | 0 | 25 53 6 | |
| | 01 31 | 0001EST 2359EST | | | 0 | 0 | 25.5M | Flood |
| | T (1 | a 1. 1. | | M (1 200) | | d | 1751 1 | |
| Putnam County | Totai | flooding related | i to el Nino, | More than 2800 |) nomes and | more than | 175 businesses destr | oyea. |
| 2 N Interlachen | 08 | 1030EST | • | | 0 | 0 | 3K | Thunderstorm Wind |
| | Large | e trees were blo | wn down. | | | | | |
| Hamilton County | 00 | 20055557 | | | 0 | 0 | 21/ | Thursdongton Wind |
| Jasper | 08 Large | 2005EST e trees and powe | | blown down. | 0 | 0 | 2K | Thunderstorm Wind |
| Gilchrist County | U | 1 | | | | | | |
| Bell | 08 | 2115EST | | | 0 | 0 | 5K | Thunderstorm Wind |
| | Roof | Damage | | | | | | |
| Bradford County Starke | 08 | 2140EST | | | 0 | 0 | 1.5K | Thunderstorm Wind |
| Starke | | e trees and pow | | blown down. | U | U | 1.51 | Thunderstorm while |
| Union County | | | | | | | | |
| Raiford | 08 | 2140EST | | | 0 | 0 | 1.5K | Thunderstorm Wind |
| | Large | e trees and power | er lines were | blown down. | | | | |
| Alachua County Gainesville | 08 | 2145EST | | | 0 | 0 | 3K | Thunderstorm Wind |
| Gamesvine | | e trees and powe | | blown down. | v | U | JK | Thunderstorm wind |
| Baker County | | | | | | | | |
| Macclenny | 08 | 2145EST | | | 0 | 0 | 2.5K | Thunderstorm Wind |
| Class Carrier | Large | e trees and pow | er lines were | blown down. | | | | |
| Clay County Orange Park | 08 | 2245EST | | | 0 | 0 | 5K | Thunderstorm Wind (G60) |
| Orange Fark | | aged signs. | | | Ū | Ū | 011 | Thunderstorm (Coo) |
| St. Johns County | | | | | | | | |
| St Augustine Arpt | 08 | 2250EST | • | | 0 | 0 | | Thunderstorm Wind (G60) |
| Flagler County | 00 | 3210ECT | | | ٥ | 0 | | H 1 (0.75) |
| 6 W Bunnell Marion County | 08 | 2310EST | | | 0 | 0 | | Hail (0.75) |
| Countywide | 18 | 1130EST | • | | 0 | 0 | 30K | Flood |
| | 19 | 0200EST | | | | | | |
| | Num | erous streets an | d roads were | closed. | | | | |
| Marion County Anthony | 19 | 0920EST | | | 0 | 0 | | Hail (0.75) |
| Anthony | | | | ep North of Silv | | U | | Han (0.75) |
| Marion County | | | | | | | | |
| Ocala | 19 | 1600EST | | | 0 | 0 | 8K | Flood |
| | Heav | 2000EST v rain caused a | | nd to overflow a | nd flood a m | obile park | | |
| FLORIDA, Northwe | | , | ···· · · · | | | | | |
| Gulf County | <u> </u> | | | | | | | |
| Port St Joe | 07 | 1402EST | 0.7 | .3 | 0 | 0 | 35K | Tornado (F0) |
| | Wata | 1410EST | | las east of Do | ut Ct. Ico. D | aaab C | ando moof lifted off | on basch side of History 09 Two |
| | | | | | | | | on beach side of Highway 98. Two s reported water damage in the Port St |
| | - | - | | land View areas | - | | | |
| Gulf County | | | - | | | | | |
| Port St Joe | 07 | 1425EST | | | 0 | 0 | | Hail (1.75) |
| | C 10 | 1431EST | | | | | | |

Golfball sized hail observed at beach just west of Port St. Joe.

| | S | Storm E |)ata an | d Unu | sual W | eath | er Phen | omena | |
|---|--|--|--|---|--|---|---|--|--|
| Location | Date | Time Local/ | Path Length | Path Width | Numbe Perso | ns | Estimated Damage | ODS Character of S | March 1998 |
| | | Standard | (Miles) | (Yards) | Killed | Injured | Property Cro | ops Character of S | torini |
| FLORIDA, Northwest | <u>.</u> | | | | | | | | |
| Bay County Mexico Beach | 07 Pabbl | 1500EST 1505EST | | ad in Mavico B | 0 Reach and alor | 0 g the Bay | -Gulf County line | Hail (1.00 |)) |
| Gulf County | 1 0001 | | | | | g the Day | -Ouri County Ini | с. | |
| Beacon Hill | 08 Wata | 1600EST 1605EST | | .3 | 0 | 0 | 25K | Tornado | |
| Wakulla County | water | rspout came asi | nore at Sun Ra | y Court in Bea | icon Hill. A c | arport wa | s destroyed and n | umerous roofs were | e damaged. |
| Shell Pt | 08 72 mj | 1714EST oh wind gust re | | Shell Point Sail | 0 Iboard Club. | 0 | | Thunders | storm Wind (G63) |
| Gadsden County Chattahoochee | 08 | 1830EST er sized hail in | | | 0 | 0 | | Hail (1.00 |)) |
| 026>029-034 | 10 30 Calho inches Count sustain River forced along State 1 roads 2000 p Hope, rivers 100 fa were 0 feet of Flood Leon 0 Slough along Withla River Tayloo Waku crestee lowlan 50 to | of rain from y. In Calhoun hed flood dama at Blountstowr the evacuation the Apalachico Road 12 near C were closed wl people were ev and Cerro Go overflowed the milies fled floo closed. The wo h March 11. In waters engulfed County, Fairbai h. The Ochloo the Apalachico the Apalachico crested near 6 r County, Iowla lla County, flood d near 8.7 feet hd flooding occ | adsden, Gulf, March 8-9 cau County, 28 con age (57 in Blo h crested near 2 n of 200 resid ola River flood Concord. In G here water was racuated. In H rdo. Numerou bir banks which odwaters as the orst flooding w Lafayette Cou d High Smith F nks Ferry Roaa konee River c cola River fro Guwannee river 1.7 feet at Ella and flooding w oding of a few at Newport. I curred as the A businesses we | Holmes, Jacks used urban/sm. unty roads and untstown). The 27.2 feet (third ents. Numero led 40 to 50 h ulf County, no four feet deep lolmes County as county and a n closed 37 roa e Chipola Rivee vas along State inty, the Suwa Park and portion d (CR 12) as w rested near 21 m Bristol to 's merge. The aville on Marce 'as observed in roads and res Portions of Na ucilla River cr | 0 son, Walton, a all stream flo State Road 6 he Chipola Ri highest) on N ous county and comes near For early 600 hon o in places. H f, flooding alo secondary roa dds and damage er overflowed highway 2 r nnee River created of feet at Bloo Lewis. In D Withlacooche h 18. Portion o Perry where idences in Sop tural Bridge I | 0 and Jackso oding in 1 0 were clo ver at Alt March 13. I seconda rt Gadsde es sustain oward Cr ng the Ch ds were c ed 200 hd its banks. ear Camp sted near Park as v r roads be cham on 1 Madison – e River c s of the S rainfall w choppy v Road and 12.5 and d Ebro. | 367M on counties were Bayou George ar used to flooding. ha crested near 3 In Dixie County ry roads were fle en and Bay City. Hed flood damage eek (pop. 400) er hoctawhatchee Ri closed. In Walton omes at Red Bay An estimated 14 bellton. The Ch 33.9 feet at Bran well as railroad tr ecome flooded. M March 12. In Lii County, water c rested near 82 fee Suwannee River there 3 to 5 inche where the river cr lowlands were fl 13 feet at Lamon | nd much of the nor Approximately 400 (1.2 feet on March 7, rising waters alon boded. In Franklin In Gadsden Coun e and more than 60 xperienced the wors ver forced evacuati n County, the Choc and Steel Field. In 40 residences were ipola River at Maria forfd and 14.9 feet acks and a municipa Minor flooding is of berty County, mino overed some unpa et at Pinetta on Mar State Park were clc so frain fell within rested on March 11. looded. In Jefferso nt. In Washington | saster areas. Nearly 6 th and northwest Bay homes and businesses 14. The Apalachicola g the Suwannee River County, rising waters rty, floodwaters closed county and secondary t flooding. More than ons in Westville, New tawhatchee and Shoal Jackson County, 75 to damaged and 40 roads anna crested near 24.1 at Wilcox on March 9. al park in Branford. In bserved along Munson or flooding is observed wed roads where the rch 15. The Suwannee sed to high water. In a 48-hour period. In . The St. Marks River n County, widespread County, approximately ads were closed. The |
| FLORIDA, Southern | | | | | | | | | |
| Collier County Naples to Naples Muni Arpt | Naple and d Lake | es Bay before d amaging anoth | ouched down lestroying 10 p er 30 mobile h ave blowing o | bool cages in F nomes. A 17 fo but three carpor | Royal Harbor. bot fishing bo rts. the path co | the tornae at was tos | do moved throug ssed up on the do | h Naples Land-Yac ock. The tornado me | (F1) tornado skipped across ht Harbor destroying (oved through the Palm U.S. 41 decimating one |
| Collier County Immokalee | 09 | 0350EST | | | 0 | 0 | 100K | Thunders | storm Wind (G65) |
| | | 0405EST mokalee Regio away a feed and | onal Airport o | | • | aircraft d | amaged. A metal | l building was also | damaged. One quarter |

| | S | Storm I | Data an | d Unus | sual W | eath | er Phenon | nena |
|-----------------------------------|-------------------------|--|--|---|--|------------------------------------|--|--|
| | | Time | Path | Path | Number | | Estimated | March 1998 |
| Location | Date | Local/ Standard | Length (Miles) | Width (Yards) | Persor Killed | is Injured | Damage Property Crops | Character of Storm |
| FLORIDA, Southern | | | | | | | | |
| Glades County | | | | | | | | |
| Moore Haven | 09 Wate | 0335EST 0350EST | | ke Okeechobe | 0 e before movi | 0 ng onsho | re Okeechobee county | Waterspout |
| Broward County | wate | rspout moved n | | Ke Okeeenobe | | ing offishio | ie okceenobee county | y - |
| Hallandale | 09 | 0545EST 0610EST | | 30 | 0 | 0 | | Tornado (F1) |
| | | | | | | | d east nearly along H and several trees were | allandale Beach Blvd lifting near the downed. |
| Broward County Pembroke Pines | 09 Autor | 0600EST mobiles were to | | trees were do | 0 wned. | 0 | | Thunderstorm Wind (G70) |
| Dade County Opa Locka to | 09 | 0600EST | 4.5 | 30 | 0 | 0 | | Tornado (F1) |
| North Miami | 09 | 0623EST | | 50 | U | U | | Tornado (FT) |
| | move tornae lines | d northeast thro do then took a were downed. | ough the 17000 path more towa Windows were | and 18000 bl ard the east as broken and | ocks of north I it moved to n signs were dar | Dade Cou ear Ives I naged or | unty to near Honey H Dairy Rd(NE 203 St) destroyed. A parked | as the Terry Lakes area. The tornad ill Dr(NW 199th St) and US-441. Th and I-95. Numerous trees and powe I tractor trailer was overturned on the ue to large fallen trees. |
| Dade County | | | | | | | | |
| Opa Locka | 09 | 0613EST | | | 0 | 0 | | Thunderstorm Wind (G53) |
| Dade County Miami Beach | 16 | 0900EST 1700EST | | | 0 | 0 | | Rip Currents |
| | 25 sw | vimmers were r | escued. | | | | | |
| Palm Beach County Delray Beach | 17 | 0900EST 1700EST | | | 0 | 0 | | Rip Currents |
| | 3 swi | mmers were rea | scued. beach w | as closed. | | | | |
| Broward County | • | | | | | | | |
| Coral Spgs to Pompano Beach | 20 Wide | 0030EST 0055EST spread tree dar | | ed powerlines | 0 s across northe | 0 ern Browa | ard County. small pla | Thunderstorm Wind (G55) anes flipped at Pompano Airport. 11 |
| | | all support pole | | | | | , I | |
| Palm Beach County Lake Worth | 23 | 1018EST | | | 0 | 0 | | Waterspout |
| | Three | 1030EST e waterspouts w | | a pilot 20 mi | les east of Lake | e Worth. | | |
| Palm Beach County | | I · · · · | · · · · · · · · · · · · · · · · · · · | | | | | |
| Delray Beach | 23 | 1330EST 1345EST | 1 | 11.15.1 | 0 | 0 | | Waterspout |
| December 1 Comment | Iwo | waterspouts we | re reported by | a pilot 15 mile | es east of Delra | y Beach. | | |
| Broward County Ft Lauderdale | 30 31 | 0900EST 1700EST | | | 0 | 0 | | Rip Currents |
| Dade County | | | | | | | | |
| Miami Beach | 30 31 | 0900EST 1700EST | | | 0 | 0 | | Rip Currents |
| Palm Beach County | 20 | 0000707 | , | | Δ | e | | |
| Delray Beach | 30 31 | 0900EST 1700EST | | | 0 | 0 | | Rip Currents |
| | | | | rip currents a | nd numerous r | escues al | ong southeast Florida | beaches. |
| FLORIDA, West Cent | <u>tral</u> | | | | | | | |
| Sarasota County | | | | | | | | |
| 25 SE Sarasota | 01 03 | 0000EST 0800EST | | | 0 | 0 | 0 0 | River Flood |

03 0800EST The Myakka River at Myakka State Park crested at 7.4 feet on the 1st, nearly one half foot above the flood stage of seven feet.

| f | D i | Time Local/ | Path Length | Path Width | Numb Perso | | Estima Dama | | | March 199 |
|-------------------------------------|-------------|----------------------------|----------------|--------------------|-------------------|-----------------|----------------|------------|--|------------------|
| Location | Date | Standard | (Miles) | (Yards) | Killed | Injured | Property | Crops | Character of Storm | |
| LORIDA, West Cer | ntral | | | | | | | | | |
| De Soto County | | | | | | | | | | |
| 1 W Arcadia | 01 | 0000EST | | | 0 | 0 | 25K | 0 | River Flood | |
| | 03 | 0800EST | | | | | | | | |
| | The P feet. | eace River alor | ng State Road | d 70 in Arcadia | crested at 12. | 6 feet on t | he 1st, over o | one and a | half feet above the f | lood stage of 1 |
| Polk County | | | | | | | | | | |
| 1 E Bartow | 01 | 0000EST | | | 0 | 0 | 0 | 0 | River Flood | |
| | 16 The P | 0000EST eace River alor | | 1 60 in Bartow o | crested at 8.91 | feet, near | lv one foot al | bove the f | lood stage of eight fo | eet, on the 1st. |
| Pasco County | 1110 1 | | ig blate Hoat | . oo in Duitow (| | 1000, 1100 | | | | iet, on the 15t |
| 18 W Zephyrhills | 01 | 0000EST | | | 0 | 0 | 10K | 0 | River Flood | |
| | 28 | 2359EST | | | | | | | | |
| | | | | | | | | | d a half feet above the | ne flood stage |
| | eight | feet, on the 24t | h. Minor flo | oding and wate | r damage occu | irred at a f | ish and traile | r camp al | ong State Road 54. | |
| Hernando County | 01 | 0000ECT | | | 0 | 0 | 0 | 10077 | | |
| 11 E Brooksville | 01 29 | 0000EST 0800EST | | | 0 | 0 | 0 | 100K | River Flood | |
| | | | | ested at 9.76 fe | et. less than a | a foot abo | ve the flood | stage of | 9 feet, on the 3rd. | Crops were al |
| | | | | g the banks of th | | | | | | I |
| Citrus County | | | | - | | | | | | |
| 1 N Citrus Spgs | 01 | 0000EST | | | 0 | 0 | 250K | 0 | River Flood | |
| | 31 | 2359EST | | | | | | | | |
| | | | | vere flooded in | | | | above the | flood stage of 29 fe | eet, on the 20 |
| C:4 | Three | success and sev | erai nomes v | vere mooded m | ule Rivel Lak | | 51011. | | | |
| Citrus County Holder | 01 | 0000EST | | | 0 | 0 | 500K | 0 | River Flood | |
| Holder | 31 | 2359EST | | | U | v | 2001 | U | Kiver Floou | |
| | | | | | | | | | ige of eight feet, on t g State Road 200. | he 21st. Seve |
| Pasco County | | | | | | | | | | |
| Trilby | 01 | 0000EST | | | 0 | 0 | 750K | 0 | River Flood | |
| | 31 The V | 2359EST Vithlacoochee | | o 14.06 feet on | the 1st over | two feet | above the flo | ood stage | of twelve feet, whi | ch caused wa |
| | | ge to properties | | | the 1st, over | 1001000 | ubove the m | Jou stuge | of twelve feet, will | en euusea wa |
| Hillsborough County | | | U | | | | | | | |
| Ruskin | 01 | 0010EST | | | 0 | 0 | 0 | 0 | Hail (1.00) | |
| | Quart | er sized hail wa | as reported by | y the public on t | he 1500 block | c of Gulf C | City Road. | | | |
| Polk County | | | | | | | | | | |
| 18 S Mulberry | 01 | 0100EST | | 5 | 0 | 0 | 0 | 0 | Tornado (F0) | |
| | A sho | ort-lived and we | ak tornado w | as reported on | State Road 37 | along the | Polk-Hardee | county In | ne by a Skywarn Spo | otter. |
| Polk County | 01 | 011 5 567 | | | 0 | 0 | 0 | 0 | H (1 (0 7 7) | |
| Ft Meade | 01 Dime | 0115EST sized hail was | | Laurel Road by | 0 the Ft Meade | 0 Police Dei | 0 partment | 0 | Hail (0.75) | |
| Sarasota County | Dime | siled hair was | reported on . | Sum of Frond of | ale i chieude | i once Dej | pullinenti | | | |
| Sarasota | 01 | 0520EST | | | 0 | 0 | 0 | 0 | Hail (0.75) | |
| | | | | he Sarasota Co | unty Emergen | | | | | |
| Manatee County | | | | | | | | | | |
| Bradenton | 01 | 0545EST | | | 0 | 0 | 5K | 0 | Thunderstorm | Wind |
| | Thunc | derstorm winds | downed seve | eral large trees i | n the city of I | Bradenton. | | | | |
| Sarasota County | | | | | | | | | | |
| Sarasota | 01 | 0545EST | | | 0 | 0 | 5K | 0 | Thunderstorm | Wind |
| Samaada Crassia | inunc | uerstorm winds | uowned sev | eral large trees i | in the city of S | arasota. | | | | |
| Sarasota County 2.3 ENE Sarasota | 01 | 0600EST | 0.4 | 20 | 0 | 0 | 500K | 0 | Tornado (F1) | |
| 2.J LIVE SAFASOLA | | | | | | | | | ad 780 (Fruitville R | oad) in Sarase |
| | | | | | | | | | wall and reduced a p | |
| | of rub | ble. Six additi | onal classroo | | nor damage f | rom the to | | | nd dissipated. A few | |

tree limbs were downed by the tornado before it lifted and dissipated.

| | | Time Local/ | Path Length | Path Width | Number Person | | Estimate Damage | | March 1998 |
|--------------------------------------|----------------------|----------------------------------|--------------------------------|-----------------|---|------------------------|------------------------------|----------------|--|
| Location | Date | Standard | (Miles) | (Yards) | | injured | 0 | Crops | Character of Storm |
| FLORIDA, West Cent | ral | | | | | | | | |
| Charlotte County 2 S Grove City | 01 Lightni | 0715ES ng ignited a | | ich burned five | 0 acres at Lemon | 0 Bay Park | 10K | 0 | Lightning |
| Hillsborough County 21 NE Tampa | | 0800ES 0800ES llsborough H | Γ River at Hillst | oorough State P | 0 ark crested at 1 ¹ | 0 0.85 feet, | 20K nearly one fo | 0 bot abo | River Flood ve the flood stage of ten feet, on the |
| Hillsborough County 21 SSE Tampa | | | Г | | 0 Little Manatee | 0 River to | 0 crest at 11.87 | 0 7 feet, 1 | River Flood nearly four feet above the seven for |
| Lee County Ft Myers | 01 | 0850ES | Г | | 0 in the city of F | 0 t Myers. | 10K | 0 | Thunderstorm Wind |
| Citrus County 1 S Citrus Spgs | 08 | 2210ES | Г | | 0 | 0 | 15K and damaged | 0 a house | Tstm Wind (G45) e in Citrus Springs. |
| Pasco County New Port Richey | | | F 50 mph caus | | - | | | | Coastal Flood rest of U.S. Highway 19 in New Poi sable for several hours. |
| Pasco County 7 SW New Port Richey | 08 | 2310ES | Г | | 0 rom a boat anch | 0 | 0 | 0 | Thunderstorm Wind (G50) |
| Pasco County New Port Richey | 08 | 2315ES | Г | | 0 | 0 | 20K | 0 | Thunderstorm Wind and Ridge Road in New Port Richey |
| Pinellas County Palm Harbor | 09 | 0000ES | Г | | 0 arge tree which | 0 | 15K | 0 | Tstm Wind (G45) |
| Sarasota County Sarasota Arpt | Road a | t the northea | s overturned a st corner of th | | lenton Internatio | | | | Thunderstorm Wind tion on the 1200 block of Clyde Jone es and power lines were also downed |
| Manatee County Anna Maria | | | | | 0 erved by a Skyw | 0 warn Spot | 0 er. Several t | 0 rees an | Thunderstorm Wind (G53) d power lines were downed on Ann |
| Hillsborough County 2 SW Tampa | | | Г |) mph damaged | 0 carports and la | 0 mais at N | 50K Iacdill Air Fo | 0 orce Ba | Thunderstorm Wind se and along Bayshore Boulevard in |
| Manatee County 8 SE Bradenton | | 0025ES | gusts of 67 | mph were meas | 0 ured by a Skyw | 0 varn Spott | 0 er four miles | 0 east of | Thunderstorm Wind (G58) the Sarasota-Bradenton Internationa |
| Sarasota County North Port | 09 Thunde | 0035ES erstorm wind | Γ ls damaged tl | | 0 e mobile home: Lane and Eucli | | | | Thunderstorm Wind the Park. Thirty large trees were als |
| Sarasota County Sarasota | 09 | 0040ES | Г | | 0 | 0 | 5K | 0 | Thunderstorm Wind Hammock Place in Sarasota. |

| | | Time Local/ | Path Length | Path Width | Numbe Persor | | Estimate Damag | | March 1998 |
|--|---|--|----------------|-------------------|---------------------|------------------|----------------------------|---------------|--|
| Location | Date | Standard | (Miles) | (Yards) | Killed | Injured | 0 | e Crops | Character of Storm |
| FLORIDA, West Cen | ntral | | | | | | | | |
| Manatee County 4 NW Bradenton to 3 NE Bradenton | 09 Thunde lines in | | inderstorm | winds also da | maged the ro | of of a ho | ome on 50th | | Thunderstorm Wind and downed several trees and powe West along the Manatee River an |
| Pinellas County | damag | d a rew carpons | at the blac | low Brook Mo | one rionie i a | k in Enem | .011. | | |
| St Petersburg | 09 | 0100EST 0110EST | | | 0 | 0 | 2K | 0 | Tstm Wind (G45) |
| | | erstorm winds up hicle received gl | | | | nd 19th Str | eets North in | St. Pete | ersburg. |
| Hillsborough County 2 NE Tampa to 1 S Tampa | 09 | 0100EST | | | 0 | 0 | 1M | 0 | Thunderstorm Wind |
| Ĩ | winds | also severely da | maged five | large stainles | ss steel juice | tanks and | caused mino | or damag | in downtown Tampa. Thunderstor ge to another two at Hookers Poir e from the thunderstorm winds. |
| Hillsborough County | | | | | <u>^</u> | 0 | | | |
| Татра | 09 Wind o Tampa | | d hail punc | tured several v | 0 windows on th | 0 the 7th and | 50K 8th floors of | 0 the "Ol | Hail (0.75) d" City Hall building in Downtow |
| Manatee County | | | | | | | | | |
| 7 E Bradenton | 09 Thunde | 0102EST erstorm winds re | moved seve | ral shingles fro | 0 om the roof of | 0 a structure | 2K e on 10th Ave | 0 enue Eas | Thunderstorm Wind t near Interstate 75 in Bradenton. |
| Polk County | Thund | | | iui siinigios iit | | u sh uetare | | | |
| Winter Haven | 09 Half do | 0112EST ollar sized hail w | as reported | near Cypress (| 0 Gardens. | 0 | 0 | 0 | Hail (1.25) |
| Sarasota County Osprey | | 0115EST erstorm winds do metal facia and r | | | | | | | Thunderstorm Wind Creek Drive in Osprey. A few po |
| Hardee County 11 ESE Wauchula to 14.5 E Wauchula | 09 | 0119EST 0124EST | 5 | 75 | 0 | 0 | 75K | 0 | Tornado (F0) |
| Highlands County 5 SW Avon Park to 5 E Avon Park | 09 | 0124EST 0135EST | 10.5 | 250 | 0 | 0 | 437K | 0 | Tornado (F1) |
| | two mil | survey indicated | ty Road 67 | l, in rural, sen | ni-wooded swa | ump and gr | assland of ea | | Vauchula along Steve Roberts Road ardee county. The tornado produce |
| | | nado continued t line into extreme | | | | | p and grassla | and of ea | stern Hardee county and crossed th |
| | The top | | | of Avon Park. | . Hundreds of | large trees | s were uproo | ted or sn | uncompleted "Sun 'n Lakes" hon apped half-way up from the base i e along Columbus Boulevard west |
| | develop the deve | | | | | | | | |
| | develop the deve U.S. Hi The tor | elopment around ghway 27 in the | uncomplete | ed "Sun 'n Lake | es" subdivisior | 1. | or roof and st | ructural | damage to a few homes, commercia |

| Babson | Park |
|--------|------|
|--------|------|

 09
 0121EST
 0
 0
 0
 0
 Thunderstorm Wind (G52)

 Thunderstorm wind gusts in excess of 60 mph were measured by a Skywarn Spotter.
 0
 0
 Thunderstorm Wind (G52)

| | | Time | Path | Path | Number of | f | Estimated | l | | March 199 |
|--|--|--|--|---|---|---|---|---|--|---|
| Location | Date | Local/ Standard | Length (Miles) | Width (Yards) | Persons Killed Inj | ured | Damage Property C | rops | Character of Storm | |
| LORIDA, West Cer | <u>ntral</u> | | | | | | | | | |
| Highlands County 1 W Avon Park | inters | ection of U.S. | rom a thunder Highway 27 i | n Avon Park. 7 | | nds blev | w from north n | orthwe | Thunderstorm d sheds along State 3 st to south southeast | Road 64 near t |
| Polk County 7 SE Lake Wales to 16 E Lake Wales | 09 A torr Groun the ro widen Two r rails a concre the F2 resting Reside reside A stor Torna comm Aerial swam | 0128ES 0137ES addo (F0) toud d survey indi ofs of a few ed to 250 yard nobile homes and tie downs tet, reinforced tornado on la g place by the ents along Do at on Doherty rage facility w do ground sur ercial structur survey indic pland where i | F 10.4 F Ched down in cated that the homes and do ls and intensif that took a di intact. Mea cinder block Doherty Drive tornadic wind herty Drive r Drive was tos vith unsupport vey indicated e and exert ex- ated that the fit t caused seven | 250 rural semi-woo tornado moved wned trees and ied to F2 streng rect hit from th nwhile, in close walls and a hip . A pick-up tr eported the sou sed over 50 fee red cinder block that a large ten to treme pressure of cornado weaken re damage to a | 0 ded swampland, a northeast across branches in the th where it destro are F2 tornado alor e proximity to th roof, suffered mi uck parked adjac and of the tornad t into the street fr c walls and a hig foot plus wide wo on the outer load red to F1 strength | 4 seven m Lake-Ir Oakwoo yed or s ng Dohe e crushe nor stru ent to th o resem om his r h unsup bod door bearing n and co es, barns | 2M hiles southeast h-The-Water R od Drive subd everely damag erty Drive wer ed mobile hom ctural and roof he well-built h bled that of a mobile home th oported roof sp entrance failed walls which co ontinued north | 0 of Lak oad an ivision ed seve e comp nes, a fing tild ome w large nat was ban wa d and a bllapsee east ac | Tornado (F2) e Wales in Southwe d caused sporadic n . The tornado cont eral structures along bletely disintegrated well-built home, wi e damage after takin ras pushed 30 feet f freight train. One f destroyed by the tor s demolished by the llowed the tornadic d outward. | ninor damage to inued northeas Doherty Drive with only fran th rebar-poure g a direct hit b rom its original severely injure mado. e tornadic win- wind to enter the ad semi-woode |
| | it lifte The to severe poles, | d and dissipat ornado in all d ly damaged fo downed num | ed along the setroyed or se pur commercia erous power li | outhwest shore overely damaged al buildings and ines and uproote | of Lake Kissimm twelve homes, ca damaged two rec | ee. aused m creationa veral lar | oderate to slig al vehicles. Th ge trees. Torn | ht dam le torna ado da | apped tree tops and age to an additional do also snapped sev mage to structures v lars. | fourteen home eral large pow |
| Sarasota County Manasota | 09 | 0130ES 0140ES | | | 0 | 0 | 75K | 0 | Thunderstorm | Wind |
| Charlotte County | Thune | lerstorm wind | s damaged po | rch enclosures of | of ten to fifteen m | obile ho | omes on the 61 | 00 bloo | ck of Manasota Key | Road. |
| Englewood to Port Charlotte | Charl | otte. Most of | F Is downed sev the wind dam | age occurred fr | | | | | Thunderstorm obile homes from E where roof, soffit and | nglewood to P |
| Manatee County | mater | ials were ripp | ed from mobil | e homes. | | | | | | |
| 27 E Bradenton | 09 10 The N seven | | Г | lead along State | 0 e Road 64 crested | 0 1 at 7.98 | 0 8 feet on the 1 | 0 Oth, ne | River Flood early a foot above th | ne flood stage |
| De Soto County 1 W Arcadia | 10 14 | 0800ES 0800ES | Г | | 0 | 0 | 20K | 0 | River Flood foot above the flood | |

| | | Time Local/ | Path Length | Path Width | Number Persor | | Estimate Damag | | March 1998 |
|--|--|--|---|---|---|---|--|---|---|
| Location | Date | Standard | (Miles) | (Yards) | | Injured | 0 | Crops | Character of Storm |
| FLORIDA, West Cen | <u>ıtral</u> | | | | | | | | |
| Pasco County | | | | | | | | | |
| Countywide | 19 20 | 0300EST 2000EST | | | 0 | 0 | 1.5M | 0 | Flood |
| | | | | flooding to hom | es, roadways a | nd low-ly | ying areas from | n New | Port Richey to Zephyrhills and Dad |
| | | n Pasco county e Road of Zepł | | n 100 homes we | ere damaged fro | om flood | waters, primar | ily in tł | ne Timber Lake Estates along Morri |
| Polk County | 10 | 0000507 | | | 0 | • | 0 | 0 | |
| 1 E Bartow | 19 31 | 0800EST 2359EST | | | 0 | 0 | 0 | 0 | River Flood |
| | | | | d 60 in Bartow c | crested at 8.85 | feet, near | ly one foot abo | ove the | flood stage of eight feet, on the 24th. |
| Hillsborough County | | | | | | | | | |
| 21 SSE Tampa | 19 | 0800EST | | | 0 | 0 | 750K | 0 | River Flood |
| | 24 In Hill | 0800EST | | une coured the I | ittle Manatee | Diver to | creat at 18.7 fe | at nam | ly eight feet above the flood stage of |
| | | | | | | | | | from the floodwaters. |
| Manatee County | | | 8 | | 8 | | | | |
| 27 E Bradenton | 19 | 0800EST | | | 0 | 0 | 100K | 0 | River Flood |
| | 24 | 0800EST | | | D 174 | 1 . 10 | 00.0 | 20.1 | |
| | | | | U | | | | | hich tied its record crest. The 18.0 e occurred to State Road 64 from th |
| | floody | | ieven ieet at | ove the nood su | age of seven. | Significal | | uamag | e occurred to State Road 04 from th |
| Hillsborough County | | | | | | | | | |
| 13 SE Tampa | 19 | 0800EST | • | | 0 | 0 | 375K | 0 | River Flood |
| | 25 | 0800EST | | 17.70 | C (1 C | C (1 | | | |
| | | | | River were dama | | | ove the flood | stage of | 13 feet, on the 21st. Several renta |
| Hardee County | nomes | s along and nea | u uic Aialia | River were dam | aged by noodw | aters. | | | |
| 1 N Zolfo Spgs | 19 | 0800EST | | | 0 | 0 | 0 | 0 | River Flood |
| In Lono Spgo | 27 | 0800EST | | | | | | | |
| | The Pe | eace River at Z | Zolfo Springs | s crested its bank | s. The height | of the cre | est was not me | asured o | lue to gage equipment failure. |
| De Soto County | 10 | 0000507 | | | 0 | 0 | 114 | 0 | |
| 8 WSW Arcadia | 19 27 | 0800EST 0800EST | | | 0 | 0 | 1M | 0 | River Flood |
| | | | | | | | | | |
| | | | Arcadia cres | ted at 16.22 feet | , over four fee | t above it | ts flood stage of | of twelv | e feet, on the 22nd. The floodwater |
| | The H | lorse Creek at | | | | | | | e feet, on the 22nd. The floodwater nderwater at Horse Creek. |
| Sarasota County | The H damag | lorse Creek at ged several hor | nes in the Hi | | division and a p | portion of | f State Road 72 | 2 was ui | nderwater at Horse Creek. |
| Sarasota County 25 SE Sarasota | The H damag 19 | lorse Creek at ged several hor 0800EST | nes in the Hi | | | | | | |
| e e e e e e e e e e e e e e e e e e e | The H damag 19 31 | lorse Creek at ged several hor 0800EST 2359EST | nes in the Hi | dden Acres subo | division and a p 0 | portion of 0 | f State Road 72 200K | 2 was ui 0 | nderwater at Horse Creek. River Flood |
| e e e e e e e e e e e e e e e e e e e | The H damag 19 31 The M | lorse Creek at ged several hor 0800EST 2359EST Iyakka River a | nes in the Hi , , , , , , , , , , , , , , , , , , , | dden Acres subo | division and a p 0 at 10.57 feet o | ortion of 0 n the 22n | f State Road 72 200K ad, over three a | 2 was un 0 und a ha | nderwater at Horse Creek. |
| e e e e e e e e e e e e e e e e e e e | The H damag 19 31 The M | lorse Creek at ged several hor 0800EST 2359EST Iyakka River a | nes in the Hi , , , , , , , , , , , , , , , , , , , | idden Acres subo ate Park crested | division and a p 0 at 10.57 feet o | ortion of 0 n the 22n | f State Road 72 200K ad, over three a | 2 was un 0 und a ha | nderwater at Horse Creek. River Flood |
| 25 SE Sarasota | The H damag 19 31 The M feet. (19 | lorse Creek at ged several hor 0800EST 2359EST Iyakka River a Over 20 homes 1355EST | nes in the Hi t Myakka St s downstrean 0.3 | idden Acres sub ate Park crested n were damaged | division and a p 0 at 10.57 feet o from the flood 0 | ortion of 0 n the 22n waters of 1 | f State Road 72 200K ad, over three a f the Myakka F 350K | 2 was un 0 und a ha River. 0 | nderwater at Horse Creek. River Flood If feet above the flood stage of seven Tornado (F1) |
| 25 SE Sarasota Manatee County | The H damag 19 31 The M feet. (19 A shore | torse Creek at ged several hor 0800EST 2359EST Iyakka River a Over 20 homes 1355EST rt lived tornado | nes in the Hi t Myakka St s downstrean 0.3 o destroyed a | ate Park crested n were damaged a mobile home a | division and a p 0 at 10.57 feet o from the flood 0 nd six to sever | ortion of 0 n the 22n waters of 1 n barns at | f State Road 72 200K ad, over three a f the Myakka F 350K t the Charlotte | 2 was un 0 und a ha River. 0 Horse I | nderwater at Horse Creek. River Flood If feet above the flood stage of sever Tornado (F1) Ranch on State Road 70 near Myakk |
| 25 SE Sarasota Manatee County Myakka City | The H damag 19 31 The M feet. (19 A shore | torse Creek at ged several hor 0800EST 2359EST Iyakka River a Over 20 homes 1355EST rt lived tornado | nes in the Hi t Myakka St s downstrean 0.3 o destroyed a | ate Park crested n were damaged a mobile home a | division and a p 0 at 10.57 feet o from the flood 0 nd six to sever | ortion of 0 n the 22n waters of 1 n barns at | f State Road 72 200K ad, over three a f the Myakka F 350K t the Charlotte | 2 was un 0 und a ha River. 0 Horse I | nderwater at Horse Creek. River Flood If feet above the flood stage of seven Tornado (F1) |
| 25 SE Sarasota Manatee County Myakka City Manatee County | The H damag 19 31 The M feet. (19 A shore City. | lorse Creek at ged several hor 0800EST 2359EST Iyakka River a Over 20 homes 1355EST rt lived tornado A 23 year-old | nes in the Hi t Myakka St s downstrean 0 dostroyed a man was inj | ate Park crested n were damaged a mobile home a | division and a p 0 at 10.57 feet o from the flood 0 nd six to sever killed when the | oportion of 0 n the 22r waters of 1 n barns at e tornado | f State Road 72 200K ad, over three a f the Myakka F 350K t the Charlotte destroyed the | 2 was un 0 and a ha River. 0 Horse I re mobil | nderwater at Horse Creek. River Flood If feet above the flood stage of seven Tornado (F1) Ranch on State Road 70 near Myakk le home and pickup truck. |
| 25 SE Sarasota Manatee County Myakka City | The H damag 19 31 The M feet. (19 A shor City 19 | lorse Creek at ged several hor 0800EST 2359EST fyakka River a Over 20 homes 1355EST rt lived tornado A 23 year-old 1400EST | nes in the Hi t Myakka St s downstrean 0 0.3 o destroyed a man was inj | ate Park crested n were damaged a mobile home a ured and his cat | division and a p 0 at 10.57 feet o from the flood 0 nd six to sever killed when the 0 | 0 0 n the 22r waters of 1 n barns at e tornado 0 | f State Road 72 200K ad, over three a 5 the Myakka F 350K t the Charlotte destroyed ther 25K | 2 was un 0 und a ha River. 0 Horse I re mobil 0 | nderwater at Horse Creek. River Flood If feet above the flood stage of sever Tornado (F1) Ranch on State Road 70 near Myakk le home and pickup truck. Thunderstorm Wind |
| 25 SE Sarasota Manatee County Myakka City Manatee County | The H damag 19 31 The M feet. (19 A shor City 19 Thund | lorse Creek at ged several hor 0800EST 2359EST fyakka River a Over 20 homes 1355EST rt lived tornado A 23 year-old 1400EST lerstorm winds | nes in the Hi t Myakka St s downstrean 0 0.3 o destroyed a man was inj s estimated a | ate Park crested n were damaged a mobile home a ured and his cat | division and a p 0 at 10.57 feet o from the flood 0 nd six to sever killed when the 0 by the public ca | 0 0 n the 22r waters of 1 n barns at e tornado 0 | f State Road 72 200K ad, over three a 5 the Myakka F 350K t the Charlotte destroyed ther 25K | 2 was un 0 und a ha River. 0 Horse I re mobil 0 | nderwater at Horse Creek. River Flood If feet above the flood stage of seven Tornado (F1) Ranch on State Road 70 near Myakk le home and pickup truck. |
| 25 SE Sarasota Manatee County Myakka City Manatee County Myakka City Hardee County | The H damag 19 31 The M feet. (19 A shor City. 19 Thund few la | lorse Creek at ged several hor 0800EST 2359EST Iyakka River a Over 20 homes 1355EST rt lived tornade A 23 year-old 1400EST lerstorm winds rge trees and s | nes in the Hi t Myakka St s downstrean 0 destroyed a man was inj s estimated a everal large | ate Park crested a were damaged a mobile home a ured and his cat t 60 to 70 mph b branches in Mya | division and a p 0 at 10.57 feet o from the flood 0 nd six to sever killed when the 0 by the public ca | oportion of 0 n the 22rr waters of 1 n barns at e tornado 0 aused min | f State Road 72 200K ad, over three a 5 the Myakka F 350K t the Charlotte destroyed ther 25K | 2 was un 0 and a ha River. 0 Horse I re mobil 0 ningle d | nderwater at Horse Creek. River Flood If feet above the flood stage of sever Tornado (F1) Ranch on State Road 70 near Myakk le home and pickup truck. Thunderstorm Wind |
| 25 SE Sarasota Manatee County Myakka City Manatee County Myakka City | The H damag 19 31 The M feet. C 19 A shor City. 19 Thund few la 19 | torse Creek at ged several hor 0800EST 2359EST fyakka River a Over 20 homes 1355EST rt lived tornade A 23 year-old 1400EST derstorm winds rge trees and s 1440EST | nes in the Hi at Myakka St s downstrean 0 0.3 o destroyed a man was inj s estimated a everal large 0.1 | ate Park crested n were damaged a mobile home a ured and his cat t 60 to 70 mph h branches in Mya | division and a p 0 at 10.57 feet o from the flood 0 and six to sever killed when the 0 by the public ca kka City. 0 | portion of 0 n the 22r waters of 1 n barns at e tornado 0 aused mir 0 | f State Road 72 200K od, over three a 5 the Myakka F 350K t the Charlotte destroyed ther 25K nor roof and sl | 2 was un 0 und a ha River. 0 Horse I re mobil 0 ningle d | nderwater at Horse Creek. River Flood If feet above the flood stage of seven Tornado (F1) Ranch on State Road 70 near Myakk le home and pickup truck. Thunderstorm Wind lamage to a few homes and downed Tornado (F0) |
| 25 SE Sarasota Manatee County Myakka City Manatee County Myakka City Hardee County Zolfo Spgs | The H damag 19 31 The M feet. C 19 A shor City. 19 Thund few la 19 | torse Creek at ged several hor 0800EST 2359EST fyakka River a Over 20 homes 1355EST rt lived tornade A 23 year-old 1400EST derstorm winds rge trees and s 1440EST | nes in the Hi at Myakka St s downstrean 0 0.3 o destroyed a man was inj s estimated a everal large 0.1 | ate Park crested n were damaged a mobile home a ured and his cat t 60 to 70 mph h branches in Mya | division and a p 0 at 10.57 feet o from the flood 0 and six to sever killed when the 0 by the public ca kka City. 0 | portion of 0 n the 22r waters of 1 n barns at e tornado 0 aused mir 0 | f State Road 72 200K od, over three a 5 the Myakka F 350K t the Charlotte destroyed ther 25K nor roof and sl | 2 was un 0 und a ha River. 0 Horse I re mobil 0 ningle d | nderwater at Horse Creek. River Flood If feet above the flood stage of seven Tornado (F1) Ranch on State Road 70 near Myakk le home and pickup truck. Thunderstorm Wind lamage to a few homes and downed |
| 25 SE Sarasota Manatee County Myakka City Manatee County Myakka City Hardee County Zolfo Spgs Sarasota County | The H damag 19 31 The M feet. C 19 A shor City. 19 Thund few la 19 A shor | torse Creek at ged several hor 2359EST 4yakka River a Over 20 homes 1355EST rt lived tornade A 23 year-old 1400EST derstorm winds rge trees and s 1440EST rt-lived tornade | nes in the Hi at Myakka St s downstrean 0 0.3 o destroyed a man was inj s estimated a everal large 0 0.1 o was reported | ate Park crested n were damaged a mobile home a ured and his cat t 60 to 70 mph h branches in Mya | division and a p 0 at 10.57 feet o from the flood 0 and six to sever killed when the 0 by the public ca kka City. 0 in Zolfo Spring | portion of 0 0 1 1 1 1 1 1 1 1 | f State Road 72 200K ad, over three a 6 the Myakka F 350K t the Charlotte destroyed ther 25K nor roof and sl 0 ornado lifted a | 2 was un 0 and a ha River. 0 Horse I e mobil 0 hingle d 0 nd dissi | nderwater at Horse Creek. River Flood If feet above the flood stage of seven Tornado (F1) Ranch on State Road 70 near Myakk le home and pickup truck. Thunderstorm Wind lamage to a few homes and downed Tornado (F0) pated without damage. |
| 25 SE Sarasota Manatee County Myakka City Manatee County Myakka City Hardee County Zolfo Spgs | The H damag 19 31 The M feet. C 19 A shor City. 19 Thund few la 19 | torse Creek at ged several hor 0800EST 2359EST fyakka River a Over 20 homes 1355EST rt lived tornade A 23 year-old 1400EST derstorm winds rge trees and s 1440EST | nes in the Hi at Myakka St s downstrean 0.3 o destroyed a man was inj s estimated a everal large 0.1 o was reporte | ate Park crested n were damaged a mobile home a ured and his cat t 60 to 70 mph h branches in Mya | division and a p 0 at 10.57 feet o from the flood 0 and six to sever killed when the 0 by the public ca kka City. 0 | portion of 0 n the 22r waters of 1 n barns at e tornado 0 aused mir 0 | f State Road 72 200K od, over three a 5 the Myakka F 350K t the Charlotte destroyed ther 25K nor roof and sl | 2 was un 0 und a ha River. 0 Horse I re mobil 0 ningle d | nderwater at Horse Creek. River Flood If feet above the flood stage of seven Tornado (F1) Ranch on State Road 70 near Myakk le home and pickup truck. Thunderstorm Wind lamage to a few homes and downed Tornado (F0) |
| 25 SE Sarasota Manatee County Myakka City Manatee County Myakka City Hardee County Zolfo Spgs Sarasota County | The H damag 19 31 The M feet. (19 A shor City 19 Thund few la 19 A shor 19 A shor 19 City 19 Thund few la 19 City | torse Creek at ged several hor 0800EST 2359EST Iyakka River a Over 20 homes 1355EST rt lived tornade A 23 year-old 1400EST lerstorm winds rge trees and s 1440EST rt-lived tornade 2330EST 0400EST to six inches of | nes in the Hi at Myakka St s downstrean 0.3 o destroyed a man was inj s estimated a everal large 0.1 o was reported of rain with i | ate Park crested a were damaged a mobile home a ured and his cat t 60 to 70 mph b branches in Mya 5 5 ad by the public solated amounts | division and a p 0 at 10.57 feet o from the flood 0 and six to sever killed when the 0 by the public ca kka City. 0 in Zolfo Spring 0 up to ten inch | oportion of 0 n the 22rr waters of 1 n barns at e tornado 0 aused min gs. The to 0 es fell ov | f State Road 72 200K ad, over three a f the Myakka F 350K the Charlotte destroyed ther 25K nor roof and sl ornado lifted a 500K ver a large part | 2 was un 0 and a ha River. 0 Horse I re mobil 0 ningle d 0 nd dissi 0 of Sara | nderwater at Horse Creek. River Flood If feet above the flood stage of seven Tornado (F1) Ranch on State Road 70 near Myakk le home and pickup truck. Thunderstorm Wind lamage to a few homes and downed Tornado (F0) pated without damage. Flood usota county which caused the water |
| 25 SE Sarasota Manatee County Myakka City Manatee County Myakka City Hardee County Zolfo Spgs Sarasota County | The H damag 19 31 The M feet. (19 A shor City 19 Thund few la 19 A shor 19 A shor 19 Thund few la 19 Chreat few la | lorse Creek at ged several hor 0800EST 2359EST Iyakka River a Over 20 homes 1355EST rt lived tornadd A 23 year-old 1400EST Itationes and s 1440EST rt-lived tornadd 2330EST 0400EST to six inches of Philipi Creek | nes in the Hi at Myakka St s downstrean 0 destroyed a man was inj s estimated a everal large 0 0.1 o was reported of rain with i along Greer | ate Park crested n were damaged a mobile home a ured and his cat t 60 to 70 mph t branches in Mya 5 cd by the public solated amounts and Gehardt Str | division and a p 0 at 10.57 feet o from the flood 0 and six to sever killed when the 0 by the public c: kka City. 0 in Zolfo Spring 0 up to ten inch eets near Coun | oportion of 0 n the 22rr waters of 1 n barns at e tornado 0 aused min 0 gs. The to 0 es fell ov tty Road | f State Road 72 200K ad, over three a f the Myakka F 350K the Charlotte destroyed ther 25K nor roof and sl 0 ornado lifted a 500K rer a large part 773 to overflo | 2 was un 0 and a ha River. 0 Horse I re mobil 0 ningle d 0 nd dissi 0 of Sara | nderwater at Horse Creek. River Flood If feet above the flood stage of seven Tornado (F1) Ranch on State Road 70 near Myakk le home and pickup truck. Thunderstorm Wind lamage to a few homes and downed Tornado (F0) pated without damage. Flood |
| 25 SE Sarasota Manatee County Myakka City Manatee County Myakka City Hardee County Zolfo Spgs Sarasota County 2.5 ESE Sarasota | The H damag 19 31 The M feet. (19 A shor City 19 Thund few la 19 A shor 19 A shor 19 Thund few la 19 Chreat few la | lorse Creek at ged several hor 0800EST 2359EST Iyakka River a Over 20 homes 1355EST rt lived tornadd A 23 year-old 1400EST Itationes and s 1440EST rt-lived tornadd 2330EST 0400EST to six inches of Philipi Creek | nes in the Hi at Myakka St s downstrean 0 destroyed a man was inj s estimated a everal large 0 0.1 o was reported of rain with i along Greer | ate Park crested a were damaged a mobile home a ured and his cat t 60 to 70 mph b branches in Mya 5 5 ad by the public solated amounts | division and a p 0 at 10.57 feet o from the flood 0 and six to sever killed when the 0 by the public c: kka City. 0 in Zolfo Spring 0 up to ten inch eets near Coun | oportion of 0 n the 22rr waters of 1 n barns at e tornado 0 aused min 0 gs. The to 0 es fell ov tty Road | f State Road 72 200K ad, over three a f the Myakka F 350K the Charlotte destroyed ther 25K nor roof and sl 0 ornado lifted a 500K rer a large part 773 to overflo | 2 was un 0 and a ha River. 0 Horse I re mobil 0 ningle d 0 nd dissi 0 of Sara | nderwater at Horse Creek. River Flood If feet above the flood stage of seven Tornado (F1) Ranch on State Road 70 near Myakk le home and pickup truck. Thunderstorm Wind lamage to a few homes and downed Tornado (F0) pated without damage. Flood usota county which caused the water |
| 25 SE Sarasota Manatee County Myakka City Manatee County Myakka City Hardee County Zolfo Spgs Sarasota County | The H damag 19 31 The M feet. (19 A shor City 19 Thund few la 19 A shor 19 A shor 19 Thund few la 19 Chreat few la | lorse Creek at ged several hor 0800EST 2359EST Iyakka River a Over 20 homes 1355EST rt lived tornadd A 23 year-old 1400EST Itationes and s 1440EST rt-lived tornadd 2330EST 0400EST to six inches of Philipi Creek | nes in the Hi at Myakka St s downstream 0.3 o destroyed a man was inj s estimated a everal large 0.1 o was reported of rain with i along Greer e Philipi Cree | ate Park crested n were damaged a mobile home a ured and his cat t 60 to 70 mph t branches in Mya 5 cd by the public solated amounts and Gehardt Str | division and a p 0 at 10.57 feet o from the flood 0 and six to sever killed when the 0 by the public c: kka City. 0 in Zolfo Spring 0 up to ten inch eets near Coun | oportion of 0 n the 22rr waters of 1 n barns at e tornado 0 aused min 0 gs. The to 0 es fell ov tty Road | f State Road 72 200K ad, over three a f the Myakka F 350K the Charlotte destroyed ther 25K nor roof and sl 0 ornado lifted a 500K rer a large part 773 to overflo | 2 was un 0 and a ha River. 0 Horse I re mobil 0 ningle d 0 nd dissi 0 of Sara | nderwater at Horse Creek. River Flood If feet above the flood stage of seven Tornado (F1) Ranch on State Road 70 near Myakk le home and pickup truck. Thunderstorm Wind lamage to a few homes and downed Tornado (F0) pated without damage. Flood usota county which caused the water |

| | | Time Local/ | Path Length | Path Width | Numbe Persor | | Estimate Damag | | Ν | 1arch 1998 |
|---------------------------------------|-----------------|-------------------------------|---------------------------------|---|-------------------------------------|------------------------|---------------------------------|----------------------|---|---------------------------------|
| Location | Date | Standard | (Miles) | (Yards) | Killed | Injured | 0 | Crops | Character of Storm | |
| ELORIDA, West Cen | <u>tral</u> | | | | | | | | | |
| | | | | | | | | | o miles north northeast | |
| | | | | Seward of Polk | | canzeu no | builing of hom | | urred on Lake Bonny, I | Lake Lowery |
| Hillsborough County | | | | | • | | | | | |
| 21 NE Tampa | 20 23 | 0800EST 0800EST | | | 0 | 0 | 50K | 0 | River Flood | |
| | The H | Iillsborough R | iver at Hillsb | | | | | | ne flood stage of ten fee illsborough River. | et, on the 20th |
| De Soto County | | | | | | | | | | |
| 1 W Arcadia | 20 | 0800EST | | | 0 | 0 | 3.8M | 0 | River Flood | |
| | 31 The P | 2359EST eace River alo | | d 70 in Arcadia | a crested at 18. | 14 feet or | the 23rd, ove | er seven | feet above the flood st | age of eleve |
| | feet. I Camp | Nearly 150 ho ground. Wate | mes and recre or from the Pe | eational vehicles ace River cover | s incurred wate red and closed s | r damage State Road | from the flood 1 64 while 35 | lwaters, additior | primarily in the Arcadi al secondary roads wer ashed out or heavily dat | ia Peace Rive e closed in th |
| Manatee County | | | | | | | | | | |
| Anna Maria to Bradenton | 20 | 1120EST 1135EST | | | 0 | 0 | 100K | 0 | Thunderstorm W | ind |
| Drauenton | Thunc Brade | lerstorm wind | | or roof damage | e to several ho | mes and o | downed trees | and pov | wer lines from Anna N | laria Island (|
| Sarasota County | | | | | | | | | | |
| 6 N Osprey | 20 Nicke | 1235EST I sized hail wa | | U.S. Highway | 0 41 six miles no | 0 orth of Osj | 0 prey. | 0 | Hail (0.88) | |
| Sarasota County | | | _ | | | | | | | |
| 7 SSE Sarasota | 20 Thunc | 1303EST derstorm wind | | ol cages of six | 0 homes near the | 0 intersecti | 60K on of State Ro | 0 ad 72 a | Thunderstorm W nd County Road 773 (E | |
| Manatee County | | | _ | | | | | | | |
| Myakka City to 7 NW Myakka City | 20 | 1312EST | Ľ | | 0 | 0 | 15K | 0 | Thunderstorm W | ind |
| · · · · · · · · · · · · · · · · · · · | Thunc | derstorm wind | s downed sev | eral power lines | two miles east | t of the in | tersection of S | tate Ro | ad 70 and County Road | 675. |
| Hardee County | 20 | 1 41 75 07 | n | | 0 | 0 | 0 | 0 | | |
| 8 NE Wauchula | 20 Dime | 1415EST sized hail was | | the Hardee Cour | u nty Public Wor | 0 ks Divisio | 0 on along State | 0 Road 6 | Hail (0.75) 4 in northeast Hardee co | ounty. |
| Highlands County | | | 1 5 | | | | e | | | 5 |
| 2 S Sebring | 20 | 1449EST | | 4 TT 11 1 | 0 | 0 | 0 | 0 | Hail (1.75) | |
| Highlanda County | Golfb | all sized hall v | vas reported t | by the Highland | s County Emer | gency Ma | nagement. | | | |
| Highlands County 5.5 E Sebring to | 21 | 0900EST | r | | 0 | 0 | 850K | 0 | Urban/Sml Stream | n Fld |
| Avon Park | 22 | 1800EST | Г | a 1. 1 | | | | | | |
| | | | | Creek to rise an ere washed out | | | U | on Arbu | ickle Creek Road. Two | o vehicles the |
| | | | • | water damaged ation at the Ave | | | Brae Mobile | Home 1 | Park. Water damage al | so occurred a |
| Pasco County | | | 0 | | | | | | | |
| 2 N Zephyrhills | 21 | 2000EST | | | 0 | 0 | 300K | 0 | Urban/Sml Stream | n Fld |
| | | | of heavy rainf | all caused locali hills rose three t | | | | ong Wi | re Road of Zephyrhills. | Water level |
| Pasco County | | | ==p | | | | | | | |
| Hudson | 21 | 2000EST | | | 0 | 0 | 450K | 0 | Urban/Sml Stream | n Fld |
| | | | f heavy rainfa | ll caused localiz along West Roa | | dozens of | f homes and se | everal st | reets near Frierson Lak | e. Most of th |
| LORIDA, West Pan | | - | nes occurreu | along west KO | a in ridusoil. | | | | | |
| FLZ002-004-006 | Coast | tal Escambi | | Santa Rosa - | | | | | | |
| | 08 | 0200CST | | | 0 | 0 | 80K | | Flood | |
| | Coasta | 0600CS I FloodingA | | stent southerly | windflow cause | ed water t | o pile up betw | een De | stin and Perdido Bay. | High wave |

| | | Time | Path | Path | | ber of | Estin | | | March 1998 |
|-----------------------------|---|--|--|--|---|--|---|---|---|---|
| Location | Date | Local/ Standard | Length (Miles) | Width (Yards) | Per Killed | sons Injured | Dan Property | nage Crops | Character of Storm | |
| FLORIDA, West Pa | nhandl | e | | . , | | | | | | |
| <u>r LOMDA, west i a</u> | | _ | n out near Nor | riego Point wh | ich allowed | a stream o | f water to cr | ash over | into normally tranqu | il Destin Harbor. |
| | | | | | | | | | County Road 399 | between Navarre |
| Escambia County | Beach | 1 and Fort Pick | ens and had to | be cleared sev | eral times to | allow veh | icles to trave | el over it. | | |
| Countywide | 08 | 0415CS 2000CS | | | 0 | 0 | 1.5M | I | Flood | |
| Okaloosa County | | | | | | | | | | |
| Countywide | 08 | 1030CS 2000CS | | | 0 | 0 | 1M | | Flood | |
| Santa Rosa County | 08 | 1030CS | г | | 0 | 0 | 500K | | Flood | |
| Countywide | 08 | 2000CS | | | U | U | 500K | | F1000 | |
| | the ea morni spread Follov Escar of rai Centu draine lived This f Okalo count eveni Yello home Santa eveni water | arly morning h ing hours. The d east across s wing are highli nbia Flooding nfall on March rry was closed ed by Sunday of along the Esca forced people a osoaMost of y were washed ong of March s w river at Mill s along the rive RosaMost o ng of March 8 . River floodin | nours in Escar e heavy rainfa Santa Rosa ar ghts of some of g was generall 7 and 8. Mo for much of t evening. Resi long the river the flooding t d out by the h 8, when the w ligan reached er had to be ev f the dirt road . Many pave ng began a fev | nbia county ar Il caused wides ad Okaloosa co of the damages y confined to t st of the dirt ro he day on Sun dents say this w flooding for to evacuate. ook place alon, eavy rain. Ma ater finally rec a reading of 20 acuated. Perso s along and no d roads in the v days later as | nd moved sle pread floodii punties. M in the affecte he area along oads north of day because was one of the the next sev g and north any of the p eded. As w 0.32 feet on 1 ns living alo rth of I-10 w central and r residents who | owly east a ng across t ost second ed counties g I-10 and i I-10 were of high wa he worst flater and days a of I-10. Maved roads ith Escamb March 10 v ng the Shor were washe north part o o lived alor | across Santa he area. The ary roads w : north. Pensa completely ater. Most c oods they ha is the river r fost of the d in the north via county, r which is sect al river were d out. Mos of the county ng the Yello | A Rosa an e flooding vere comp acola regio washed or of the pav ad seen. A ose to nea lirt roads h part of iver flood ond to the also force st were clo w wree clo w river woo | in fell. The heavy ra d Okaloosa counties began in Escambia letely washed out in onal airport received at. Part of U S High ed roads that had wa After the water drain r its highest level ev in the central and n the county remained ing continued for an reading of 26.2 feet ed to evacuate. osed from Sunday n osed most of Sunday ere forced to evacuat was comparable to th | a during the mid county and then in these counties. about 6.5 inches way 29 south of ater on them had ded, residents that er, near Century. orth parts of the closed until the other week. The t in 1929. Many morning until the because of high e. Persons along |
| Okaloosa County Blackman | 08 | 0430CS | | | 0 | 0 | 25K | | Thunderstorm | Wind (G55) |
| | High | 0431CS winds damage | | Blackman Si | ding and par | t of the roo | f was blown | off. No | one was injured. | |
| Escambia County | 8 | | | | 8 F | | | | ···· ··· ··· ··· ··· ··· ··· ··· ··· · | |
| West Pensacola | 08 | 0440CS 0442CS | | | 0 | 0 | | | Hail (0.75) | |
| | Dime | e size hail was | reported along | I-10 just west | of Pensacola | - | | | | |
| Santa Rosa County Milton | 08 | 0450CS | | | 0 | 0 | | | Hail (0.75) | |
| | Dime | 0452CS | | orthwest of Mi | lton. | | | | | |
| FLZ002 | | stal Escambi | 1 5 | | | | | | | |
| | 17 | 1000CS 1700CS | Г | | 0 | 0 | 15K | | Flood | |
| | near 4 thund | al FloodingS 45 knots, for s erstorms. Bea | outheast wind several hours. ich erosion oc | The winds v curred around | vere likely tl Johnson Bea | he result o ach and alo | f a Bubble ong Pensaco | High dev la Beach. | ms to 20 to 30 km eloping behind the Tides were three to d for three to four ho | eastward moving o five feet above |
| Okaloosa County | | - | | - | | | | | | |
| Crestview | 19 | 1225CS 1227CS | Г | | 0 | 0 | | | Hail (0.75) | |
| | Dime | e size hail was | reported along | I-10 just west | of Crestview | ·. | | | | |

| | | | | | | | _ | |
|--|--------------|--------------------------------|-----------------|----------------|----------------|----------------|---------------------|--|
| | _ | Time Local/ | Path Length | Path Width | | ber of sons | Estimated Damage | March 1998 |
| Location | Date | Standard | (Miles) | (Yards) | Killed | Injured | Property Crops | S Character of Storm |
| GEORGIA, East Ce | <u>ntral</u> | | | | | | | |
| Richmond County | | | | | | | | |
| Augusta | 08 | 1235EST 1400EST | | | 0 | 0 | 0 | Flash Flood |
| | Raes C | Creek flooded lo | ow lying area | s and approach | ed some hor | nes but no | flooding in homes v | was reported. |
| Columbia County Evans | 08 | 1450EST | | | 0 | 0 | 0 | Flash Flood |
| Evans | | 1630EST | | | | | | |
| | | Creek spilled ou was close. | ut of its bank | s and approach | ed the found | ation of sc | me homes. EPD re | ported no water made it into any homes |
| GEORGIA, Lower | outit | was close. | | | | | | |
| GAZ132>136- | Coffe | e - Jeff Davis | - Bacon - | Appling - W | avne - Atk | inson - V | Vare - Pierce - B | rantley - Inland Glynn - Echols - |
| 149>153-162>165 | Clinc | h - Charlton | | | - | | | |
| | 01 31 | 0001EST 2300EST | | | 0 | 0 | 3.5M | Flood |
| | Total f | flooding related | | | | maged. Fl | ooding mainly alon | g the St Mary's, Altamaha, and Satilla |
| ~ ~ ~ | Rivers. | . Some areas als | so effect with | Closed Basin | flooding. | | | |
| Coffee County 2 S Ambrose to | 08 | 1019EST | 0.1 | 20 | 0 | 0 | 30K | Tornado (F0) |
| 2.1 S Ambrose | | | | | | | 0011 | 101111100 (10) |
| Loff Dorrig Country | Torna | do snapped tree | s and power | lines. Damageo | i a pickup tri | ick. | | |
| Jeff Davis County 2 N Hazelhurst to | 08 | 1045EST | | | 0 | 0 | 2K | Thunderstorm Wind |
| Hazelhurst | Lanaa | tunna and norra | u linaa waa k | larra darra | | | | |
| Appling County | Large | trees and power | r lilles were t | nown down. | | | | |
| 1 N Baxley | 08 | 1056EST | | | 0 | 1 | 55K | Thunderstorm Wind |
| | Three | mobile homes of | destroyed. | | | | | |
| Appling County 1 S Surrency to | 08 | 1606EST | 0.1 | 20 | 0 | 0 | 2K | Tornado (F0) |
| 1.1 SE Surrency | | 1610EST | | | Ŭ | 0 | | 101111100 (10) |
| Atkingon County | Large | trees and power | r lines were t | olown down. | | | | |
| Atkinson County Pearson | 08 | 1925EST | | | 0 | 0 | 1.5K | Thunderstorm Wind |
| | Large | trees and power | r lines were b | olown down. | | | | |
| Clinch County Homerville | 08 | 1930EST | | | 0 | 0 | 2.5K | Thunderstorm Wind |
| nomervine | | trees and power | r lines were b | olown down. | 0 | U | 2.3K | Thunderstorm white |
| Echols County | | | | | | | | |
| Statenville | 08 Large | 1930EST trees and power | r lines were h | lown down | 0 | 0 | 1.5K | Thunderstorm Wind |
| Appling County | Lange | liees and points | | lo in do ini | | | | |
| Countywide | 08 | 2200EST | | | 0 | 0 | 10K | Flood |
| | 09 Nume | 0100EST rous roads and | streets were d | closed. | | | | |
| Atkinson County | | | | | | | | |
| Countywide | 08 09 | 2200EST 0100EST | | | 0 | 0 | 15K | Flood |
| | | rous roads and | streets were d | closed. | | | | |
| Bacon County | | | | | | | | |
| Countywide | 08 09 | 2200EST 0100EST | | | 0 | 0 | 25K | Flood |
| | | rous roads and | streets were o | closed. | | | | |
| Coffee County | 00 | 2200ECT | | | 0 | 0 | 2012 | |
| Countywide | 08 09 | 2200EST 0100EST | | | 0 | 0 | 20K | Flood |
| | Nume | rous roads and | streets were o | closed. | | | | |
| Jeff Davis County Countywide | 08 | 2200EST | | | 0 | 0 | 15K | Flood |
| Countywide | 08 | 2200EST 0100EST | | | U | U | 131 | Floou |

| Location Location Location Location Parameters Damage Properties GEORGIA_Lower Numerous reads and streets were closed. Second | | | Time | Path | Path | Numbe | | Estimated | Μ | arch 1998 | |
|--|---|------------------|---------------------------------|----------------|-----------------|-------------------|----------------|----------------------|----------------------------|---------------------------|--------------|
| GEORGIA. Lower Numerous roads and streets were closed. GEORGIA. North and Central Sumerous roads and streets were closed. GEORGIA. North and Central Sumerous roads and streets were closed. GEORGIA. North and Central A maintenance building at the Americas Country Club was destroyed where easily valued at S100,000. De Kalb County County wide County wide County wide County wide County wide County wide County wide County wide County wide County wide County wide County wide | Location | Date | | - | | | | 0 | Character of Storm | | |
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| Similar County America: 0 UODEST: 0 DOIS Instrument building, tools and equipment, and an atomobile that were destroyed when easily valued at \$100,000,000,000,000,000,000,000,000,000 | | Nume | rous roads and | d streets were | closed. | | | | | | |
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| A maintenance building at the Americas Country Club was destroyed when lightning igning nearby frees and the fire speed at building. Tools and equipment, and an automobile that were destroyed were easily valued at \$100,000. De Kalb County Countywide 08 500/EST 0 10K Flash Flood Fulton County Countywide 08 0500/EST 0 0 10K Flash Flood Fulton County Countywide 08 0500/EST 0 0 10K Flash Flood After over an inch-and a-haff of rim the preceding two days, showers and thunderstorms dand Sope Creeks rose rapidly and came out of a banks. A foot of water was over some roads and basements of homes near the creeks were flooded. 6/2/03.2014.2014.2014.2014.2014.2014.2014.2014 | • | 07 | 0100055 | r. | | 0 | 0 | 10012 | Lightning | | |
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| Fire station 5 reported dime size hail. Walker County Chickamauga 08 1715EST 0 0 Hail (0.75) Dodge County Eastman 08 1400EST 0 0 5K Lightning A church was damaged when lightning struck a tree which fell onto it. The church was located on Rocky Spring Road in Docounty. The time was estimated. 0 0 5K Lightning GAZ036-044 Clarke - South Fulton 12 0 0 0 Cold It 0 0 0 50K Thunderstorm Wind Base and the representation off Kelly Mill Road received damage from thunderstorm winds. Sumerous trees were downere southern Forsyth county. 0 0 50K Thunderstorm Wind Ball County 20 0545EST 0 0 50K Thunderstorm Wind South Fulton 0 0 50K Thunderstorm Wind 100 10 96 15M Tornado (F3) | 8 NE Franklin | 08 | | | | 0 | 0 | | Hail (0.75) | | |
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| Eastman081400EST005KLightningA church was damaged when lightning struck a tree which fell onto it. The church was located on Rocky Spring Road in Docounty. The time was estimated.GAZ036-044Clarke - South Fulton 120655EST00Cold120655EST00ColdThe coldest air of the 1997-1998 winter set new record low temperatures of 19 degrees at Hartsfield airport in Atlanta and degrees at Ben-Epps airport in Athens.Forsyth County 3 S Cumming200545EST0050KThunderstorm WindFive homes in a subdivision off Kelly Mill Road received damage from thunderstorm winds. Numerous trees were downe southern Forsyth county.Hall County 2 S Murrayville to200625EST9100109615MTornado (F3) | 0 | 08 | 1715ES1 | Ľ | | 0 | 0 | | Hail (0.75) | | |
| A church was damaged when lightning struck a tree which fell onto it. The church was located on Rocky Spring Road in Docounty. The time was estimated. GAZ036-044 Clarke - South Fulton 12 0655EST 0 0 Cold 12 0655EST 0 0 Cold The coldest air of the 1997-1998 winter set new record low temperatures of 19 degrees at Hartsfield airport in Atlanta and degrees at Ben-Epps airport in Atlents. Forsyth County 3 S Cumming 20 0545EST 0 0 50K Thunderstorm Wind Five homes in a subdivision off Kelly Mill Road received damage from thunderstorm winds. Numerous trees were downe southern Forsyth county. Hall County 2 S Murrayville to 20 0625EST 9 100 10 96 15M Tornado (F3) | | 08 | 1400ES? | ſ | | 0 | 0 | 5K | Lightning | | |
| GAZ036-044 Clarke - South Fulton 12 0 0 Cold 12 0655EST 0 0 Cold The coldest air of the 1997-1998 winter set new record low temperatures of 19 degrees at Hartsfield airport in Atlanta and degrees at Ben-Epps airport in Athens. Forsyth County 3 S Cumming 20 0545EST 0 0 50K Thunderstorm Wind Five homes in a subdivision off Kelly Mill Road received damage from thunderstorm winds. Numerous trees were downer southern Forsyth county. Numerous trees were downer Tornado (F3) | | A chu | irch was dama | iged when lig | htning struck a | a tree which fel | l onto it. | | | ad in Dodg | |
| 120655EST00ColdThe coldest air of the 1997-1998 winter set new record low temperatures of 19 degrees at Hartsfield airport in Atlanta and degrees at Ben-Epps airport in Athens.Forsyth County 3 S Cumming200545EST0050KThunderstorm Wind Five homes in a subdivision off Kelly Mill Road received damage from thunderstorm winds. Numerous trees were downe southern Forsyth county.Hall County 2 S Murrayville to200625EST9100109615MTornado (F3) | C 1 7026 044 | • | 5 | | | | | | | | |
| The coldest air of the 1997-1998 winter set new record low temperatures of 19 degrees at Hartsfield airport in Atlanta and degrees at Ben-Epps airport in Atlanta. Forsyth County 3 S Cumming 20 0545EST 0 0 50K Thunderstorm Wind Five homes in a subdivision off Kelly Mill Road received damage from thunderstorm winds. Numerous trees were downer southern Forsyth county. Hall County 20 0625EST 9 100 10 96 15M Tornado (F3) | GAZ036-044 | | | | | 0 | 0 | | Cold | | |
| Forsyth County 3 S Cumming 20 0545EST 0 0 50K Thunderstorm Wind Five homes in a subdivision off Kelly Mill Road received damage from thunderstorm winds. Numerous trees were downer southern Forsyth county. Hall County 2 S Murrayville to 20 0625EST 9 100 10 96 15M Tornado (F3) | | The co | oldest air of t | he 1997-1998 | | * | | res of 19 degrees at | | lanta and 2 | |
| 3 S Cumming200545EST0050KThunderstorm WindFive homes in a subdivision off Kelly Mill Road received damagefrom thunderstorm winds. Numerous trees were downe southern Forsyth county.Hall County 2 S Murrayville to200625EST9100109615MTornado (F3) | | degree | s at Ben-Epps | airport in Atl | nens. | | | | | | |
| Five homes in a subdivision off Kelly Mill Road received damage from thunderstorm winds. Numerous trees were downer southern Forsyth county. Hall County 2 S Murrayville to 20 0625EST 9 100 10 96 15M Tornado (F3) | | | 0545FS" | ŗ | | 0 | 0 | 50K | Thunderstorm Wi | nd | |
| Hall County 2 S Murrayville to200625EST9100109615MTornado (F3) | | 20 | | - | | | | | | | |
| 2 S Murrayville to 20 0625EST 9 100 10 96 15M Tornado (F3) | | | | bdivision off | Kelly Mill R | oad received da | amage m | on munderstorm win | us. Numerous trees wer | e downed | |
| | 3 S Cumming | Five h | homes in a su | | Kelly Mill R | oad received da | amage m | om munderstorm win | las. Numerous trees wer | le downed | |
| | 3 S Cumming Hall County | Five h southe | homes in a su ern Forsyth co | unty. | - | | - | | | e downed . | |

| | St | orm D | ata an | d Unus | sual W | eath | er Phenon | nena |
|--|--|---|---|---|--|------------------------------------|--|--|
| | | Fime Local/ | Path Length | Path Width | Number | | Estimated Damage | March 199 |
| Location | Data | Standard | (Miles) | (Yards) | | Injured | Property Crops | Character of Storm |
| GEORGIA, North and | d Centra | <u>ıl</u> | | | | | | |
| White County 5 S Cleveland to 4 SE Cleveland | 20 F4MH, I | 0635EST 0640EST | 4 | 100 | 2 | 75 | 5M | Tornado (F3) |
| | The torn Aerial ar Elementa were den school, k | ado began in ad ground sur ary School an nolished or d illing the dri | rveys by NW d North Hall amaged. Larg | S employees sl High School. H e areas of fores e other 11 pers | nowed extensi louses, trailers st were flatter | ve dama , busines ned. A tra | ge along the path. Th ses, and agricultural in actor-trailer truck was | istance covered was about 13 mile ere was significant damage to Lan nterests (namely the poultry industr thrown 100 feet from the road into ge path varied from 50 to 200 yard |
| Gordon County 3 S Ranger to 1 E Ranger | 31 | 2330EST 2335EST | | | 0 | 3 | 600K | Thunderstorm Wind |
| | north a 1 and mov | line thunders nobile home | was ripped fi | om its foundat | ion and destru | oyed. The | e 4 mile long damage | a East Damascus Road. About a m path began just north of highway along the path. Winds were estima |
| GEORGIA, Northeast | <u>t</u> | | | | | | | |
| GAZ010-017 | Rabun 11 12 | - Habersha 1600EST 0200EST | ım | | 0 | 0 | | Snow |
| | | | st charge into nowfall of 1 to | | ns of northea | st Georg | ia late on the 11th | as very cold and windy condition |
| Rabun County Wiley Rabun County | 20 | 0712EST | | | 0 | 0 | | Thunderstorm Wind (G50) |
| Pine Mtn | Georgia. | A previously | tornadic sev | ere thunderstor | m that produc | ed a larg | e tornado to the south | Thunderstorm Wind (G50) a strong cold front across northea west of Rabun county moved acro the Hall and White county tornado. |
| GEORGIA, Southeast | <u>t</u> | | | | | | | |
| GAZ088-101 | Screver 01 31 | - Effingha 0000EST 2359EST | am | | 0 | 0 | | Flood |
| | The Sava ft on the | nnah river at 12th. Flood | | ft. The Ogee | | | • | avannah river at Clyo crested at 18 a. Flood stage is 9.0 ft. These rive |
| Tattnall County Glennville | 08 | 1655EST 1700EST | | | 0 | 0 | | Hail (1.75) |
| Tattnall County 9 WNW Glennville | 08 | 1700EST 1705EST | | | 0 | 0 | | Thunderstorm Wind (G55) |
| Chatham County 18 WSW Savannah | 08 | 1920EST | | | 0 | 0 | | Thunderstorm Wind (G52) |
| GEORGIA, Southwes GAZ121-123>127-130- 142>147-155>156- 158> 160 | Clay - (| | | ugherty - Le Thomas - Bro | | | ll - Early - Miller - | Baker - Mitchell - Colquitt - |
| 158>160 | 08 21 | 1200EST 0000EST | | | 1 | 1 | 161M | Flood |
| | flooding. | Baker, Be | n Hill, Cook | , Colquitt, Do | ugherty, Lee, | Miller, 1 | Mitchell, Terrell, Dec | March 7-9 which caused widesprea catur, Early, Brooks, Colquitt, Cla Hill County, floodwaters claimed t |

Seminole, Calhoun, Thomas, and Worth counties were declared federal disaster areas. In Ben Hill County, floodwaters claimed the life of a Irwinville man whose vehicle overturned. In Baker County, several homes and businesses were flooded in Newton. 100 residents within the Newton city limits were evacuated. Numerous county and secondary roads were closed. Flooding along the Itchuaway-Nochaway Creek forced additional evacuations at Milford. The Flint River crested at Newton near 36.4 feet on March 12. In Brooks County, the Little River overflowed its banks which closed the Antioch Road bridge. Several county and secondary

| | | Time | Path Langth | Path | Number | | Estimat | | | March 1998 |
|-----------------------------|--|---|---|---|---|--|--|--|---|--|
| Location | Date | Local/ Standard | Length (Miles) | Width (Yards) | Person Killed | s Injured | Damag Property | e Crops | Character of Storm | |
| GEORGIA, Southw | <u>vest</u> | | | | | | | | | |
| | Count secon- reside washe subdiv 84 at 1 as we Doug 500 h down Creek vehicl Highw sustai Skipp Portio Miller gallon numer closec Nume as res Count and tr Thom | ty, 25 resident dary roads we nts were displa- do ut. In De visions of Bair Brinson. The ell as several herty County, omes were dan stream housing f flooded 30 he te through a ba way 19 were do ned minor flo er Bridge, Litt ons of Valdosta r County, Spri- ras of raw sew rous roads as of a lalong Spring rous creeks ar idences on Ce ty, homes alor railers had wa asville near | s were evacu re closed. Th aced and a fev ccatur County bridge. 20 cc Elberta Crate factories, bus nearly 11,000 maged. Many g developmen omes at Dama urricade at Ce closed to floc oding in the le River, and a flooded, esp mg Creek and age spilled in county creeks g Creek and in thutaries on ntury Road in ng the Ochloc ter up to the | ated. Hardest I e Camilla Road v streets in Norri v, approximately ounty roads and Company lumb inesses, and ho residents were city schools we t. The Flint Riv uscus. Several I dar Springs. No dwaters. The North Hamptor Franklinville R ecially along the some streams ov to south Colqu and streams ov. Fishpond Drain overran their ba n Dawson. The | iti areas were a bridge was clo nan Park were f / 185 families 60 homes were er yard sustaine omes. The Fli evacuated in A re closed incluc er creested at 3 nomes in Saffol umerous county Muckalee Cree n subdivision (oads flooded. right bank of t verflowed their itt and some ci erflowed their b . In Terrell C nks. Homes ale Kinchafoonee ere evacuated as e Lake Riversid | long Indi sed to hig flooded. I evacuated damaged d flood da nt River of Jbany. Sc ling Alban 6.9 feet (t) d and Jak of a | an Creek, In h water in M in Cook Court l their home . Spring Creater amage. Flood crested near vy College. V hird highest) in were flood ndary roads near 17.1 fe lownstream f ses along the coochee Rive Sumerous coo were floode Seminole Co o county road wer Kinchaft Dawson cress acceded 18 fe ewart Avenue | dian La oultrie. nty, seves s in the ek overf dwaters 34.7 fe nd coun Waters of on Marr ded. Or were close t at La from the E Little r which unty and d. In N ounty, se ds and oonee R ted near eet and near | gerous road conditio ke, and Bear Creek. Several Moultrie He eral county and secon e Flint River Height flowed its banks closi submerged much of set at Bainbridge on ty roads were floode overflowed the right h ch 11. In Early Court e man was injured w osed. In Lee County eesburg on March 9 e river gage). In L River sustained minor o crested at 22.5 feet of d dirt roads were imp Mitchell County, hig everal secondary and State Highway 55 v oad and creek were of 21.7 feet on March road access was impor The Ochlockonee econdary roads were | 75 county and busing Authority dary roads were s and Riverdale ing US Highway West Bainbridge March 13. In d. An estimated bank levee into a atty, Long Branch whe he drove his , portions of US . A few homes owndes County, or flood damage. on March 11. In bassable. 10,000 h waters closed state roads were were impassable. damaged as well 10. In Thomas bassible. Houses River crested at |
| GAZ142 | M32V Early 08 Large Hiltor | y 1210ES e pine trees de | | airoad tracks at | 0 intersection of | 0 Rock Hi | 1K ill and Frien | dship R | High Wind oads (approximately | 2 miles east o |
| Calhoun County | | | | | | | | | | |
| Leary | | | Γ in Leary. C | - | 0 Rail tracks wa | 0 shed out | between Lea | ry and | Hail (1.25) Arlington. Flooding | g reported at the |
| Forly County | inters | ection of High | lways 62 and | 33. | | | | | | |
| Early County Blakely | 19 Dime | 1900ES 1910ES | Г | ely and 6 miles | 0 south of Blakel | 0 | | | Hail (0.75) | |
| GEORGIA, West C | | | | , <u>,</u> oo | | | | | | |
| GAZ089 | Muse 08 | cogee 0945CS' 1500CS' | Г | - Chattabasa ha | 0 Discusion Carlo | 0 | 30K | 0 | Flood | |
| | Mino | r nooding occ | urred along th | e Chattahooche | e River in Colu | nous, cau | sing a park to | get no | oued. | |
| <u>HAWAII</u> HIZ002>005 | 01 31 | 0000HS 2359HS | Г Г | waii - Molok | 0 | 0 ord keepi | ng hegen in ' | 1874 7 | Drought | d driest January |
| | throug Below averag than 2 | gh March perio v average prec ge rainfall. Si 25 percent of a | od for Honolu eipitation occu xty-seven of verage. This | lu since 1874. urred statewide the 73 rain gaug continued the si | in March, with ges reported les x month trend o | all first s than 50 of drier tha | order and all percent of av an usual cond | l autom verage f litions fo | This was also the thir ated rain gauges rec for the month, while or the entire state. across the Pacific Oc | eiving less than 35 received less |

In the first half of March, weather patterns were dominated by a strong upper level jet stream across the Pacific Ocean north of the islands and multiple periods with upper level ridges over and to the west of the state. These combinations of phenomena responsible for the rainfall shortage are indicative of how El Nino affects weather in the state of Hawaii.

| | | Time | Path | Path | Num | iber of | Estim | ated | | March 1998 |
|----------|------|----------|---------|---------|--------|---------|----------|-------|--------------------|------------|
| | | Local/ | Length | Width | Per | rsons | Dam | age | | |
| Location | Date | Standard | (Miles) | (Yards) | Killed | Injured | Property | Crops | Character of Storm | |

HAWAII

During the second half of the month, the ridge at all levels of the atmosphere shifted north. This resulted in the surface high northeast of the islands strengthening and moving to a more average early spring position. The shift in weather patterns brought stronger trade winds, which then produced more trade wind showers for the windward sides of the islands. This added rainfall has helped relieve some of the very dry conditions in windward areas. However, much more rain is needed to get beyond the longer term drought situation.

Oahu:

Below average precipitation again occurred in March as frontal systems that usually pass through or near the islands did not materialize. The greatest negative anomaly was in the leeward parts of the island, especially the central and southwest sections. The southwest side of Oahu, in the Waianae area (which is leeward of the Waianae Mountain range), saw the driest conditions. Only 2 to 20 percent of average precipitation (0.04 to 0.61 inches) occurred. Even what are usually the wettest sections of the island, the northeast facing windward areas and higher elevations of the Koolau Mountain range, received only 25 to 45 percent of average rainfall.

Maui County:

Molokai and Lanai were below average at reporting stations, with Lanai City receiving 1.64 inches (44 percent of average rainfall). Island of Maui reporting stations showed below average precipitation at all locations as well. Negative anomalies were especially noted in areas with a dependence on synoptic scale precipitation in March, such as Lahainaluna, Kihei, and Ulupalakua. This continues the several month period of very dry conditions in those locales. Zero to 18 percent of average rainfall occurred in those areas, with no rain at Kihei and 0.42 of an inch at Lahainaluna. The rainfall total for Kihei over the past 8 months has been 1.83 inches, which is only 14 percent of the average of 13.5 inches.

Hawaii County:

A dry pattern continued on the Big Island, with all areas seeing well below average rainfall. However, this is one island where the return of trade winds and showers was significant in helping to relieve some of the driest conditions in the state.

The island wide negative precipitation anomaly is likely due to the decreased frequency of frontal systems and, also, possibly due to weaker or drier than average trade winds in the first half of the month. The Kona side of the island, dependent on convective precipitation and, this time of the year, on synoptic scale precipitation patterns, was well below average at all reporting locations. Honaunau, south of Captain Cook, and Kealakekua were stations with the greatest negative rainfall anomaly with only 8 and 18 percent of average precipitation, 0.42 of an inch and 0.99 of an inch, respectively.

Kauai:

All reporting stations had below average rainfall for the month. The most negative anomalous precipitation amounts in March occurred in the south and southwest portions of the isle, with only 22 to 38 percent of average rainfall there. The east side of the island from Kapahi to Lihue received the greatest amounts of precipitation, but the totals were only 45 to 73 percent of average.

The following are rainfall statistics (in inches) for selected locations on Oahu, Maui, the Island of Hawaii, and Molokai for March 1998. For comparison, the average for the month and percent of average, respectively, are listed for each site in the next two columns. The following two columns represent the rainfall totals and average rainfall totals for the three month period January-March. The last three columns show rainfall totals from March 1994, March 1987, and March 1983, which were other El Nino-influenced time periods.

| | Mar. 98 | Avg. | %Avg. | 3 Month | Avg./3 months | Mar94 | Mar87 | Mar83 |
|------------|---------|------|-------|---------|---------------|-------|-------|-------|
| Oahu | | | | | | | | |
| Honolulu | 0.03 | 2.2 | 1 | 1.01 | 8.0 | 3.77 | 0.31 | 0.53 |
| Waianae | 0.04 | 2.5 | 2 | 0.87 | 8.6 | 4.23 | 0.15 | 1.66 |
| Hawaii Kai | 0.87 | 3.9 | 22 | 2.48 | 11.7 | 4.80 | 0.40 | N/A |
| Manoa | | | | | | | | |
| Lyon A | 5.92 | 14.4 | 41 | 14.69 | 37.8 | 27.43 | 4.17 | 2.12 |
| Waialua | 0.24 | 3.8 | 6 | 2.90 | 13.3 | 4.14 | 1.62 | 2.03 |
| Ahuimanu | | | | | | | | |
| (windward) | 2.30 | 10.6 | 22 | 10.43 | 31.9 | N/A | 4.80 | N/A |
| | | | | | | | | |
| Maui | | | | | | | | |
| Kahului | 0.18 | 2.7 | 7 | 1.03 | 9.7 | 4.23 | 0.57 | 1.12 |
| Hana | 1.16 | 9.5 | 12 | 2.36 | 25.8 | 27.54 | 3.50 | 2.32 |
| | | | | | | | | |

| | | Time | | ith | Path | | Number of | Estima | | | March 1998 |
|-----------------|------------------------|--------------------|------------|------------------|---------------------------|------------|---------------------------------|------------------|--------------|---|--------------------|
| Location | Date | Local/ Standard | | ength (liles) | Width (Yards) | Kil | Persons led Injured | Dama Property | ige Crops | Character of Storm | |
| HAWAII | | | | | | | | | | | |
| | Kihe | | 0.00 | 2.1 | 0 | 0.73 | 8.4 | 2.07 | 0.03 | 0.18 | |
| | | inaluna | 0.42 | 2.4 | 18 | 0.64 | 9.5 | 1.28 | 0.00 | 0.00 | |
| | Wail | uku | 0.71 | 3.6 | 20 | 2.27 | 12.6 | 9.99 | 2.27 | 1.40 | |
| | | of Hawaii | | 10.0 | | | 24.4 | 10.10 | 4.50 | | |
| | Hilo | 1. | 3.67 | 13.9 | 26 | 6.21 | 34.1 | 18.48 | 4.79 | 0.05 | |
| | Paha Hona | iunau | 0.32 | 6.3 | 5 | 0.54 | 20.1 | 8.20 | 0.96 | 0.52 | |
| | | tain Cook) | 0.42 | 5.1 | 8 | 1.46 | 12.0 | 2.66 | 2.00 | 0.01 | |
| | Kam | | 2.57 | 7.9 | 33 | 7.58 | 20.5 | 3.31 | 1.35 | 0.09 | |
| | Laup | ahoehoe | 6.02 | 19.5 | 31 | 9.46 | 46.2 | N/A | 4.77 | 0.01 | |
| | Molok | ai | | | | | | | | | |
| | Kaur | nakakai | 0.38 | 1.8 | 21 | 2.51 | 7.7 | 0.00 | 0.00 | 0.40 | |
| | Comm | nercial flow | ver growe | ers on the | Island of] | Hawaii co | ntinued to suffer | under droug | ht conditi | ons. Many farmers | were conserving |
| | | | | | | | | | | s had estimated pro | |
| | about | 20 percent | from Dec | cember th | rough mid | -February. | Growers fear th | ne losses will | climb, co | sting them millions | of dollars. |
| | The di | rought reac | hed a crit | tical leve | in parts of | f Maui T | he flow in the W | Vailoa ditch d | ropped to | 21 million gallons. | During average |
| | | | | | | | | | | County Mayor Li | |
| | | | | | | | | | | was declared, the | |
| | | | | | | | | | | three East Maui v | |
| | | | | | der a mand rcent, exce | | | nsumption res | striction. | Officials then aske | a the residents to |
| | | 2 | C | | | | | | | | |
| | disable | ed well wa | is repaire | d and br | ought back | on line. | | rvation notice | | trict on the Island or residents to reduce | |
| HIZ001>006 | · | | • | | • | | okai - Lanai | | | | |
| | 09 | 12001 | HST | | | | 0 0 | | | High Surf | |
| | 10 Storm islands | | | of the H | awaiian Isl | ands gene | rated surf of 8 | to 12 feet on | north an | d northwest facing | shores on all the |
| Honolulu County | | | | | | | | | | | |
| Pearl City | 11 16 | 1200I 1800I | | | | | 0 0 | | | Wild/Forest Fi | ire |
| | | | | ed as a b | rush fire th | at burned | more than 1200 | acres came c | lose to W | aiawa Correctional | Center and Pearl |
| | | | | | | | | | | ipio Gentry subdivis | 1 |
| | | | | | | | slope, out of the was \$75,000. | reach of fire | fighters o | n foot. The estimat | ed cost of Army |
| HIZ001>006 | | | | | | | okai - Lanai | | | | |
| 1112/001/000 | 11 | 2000I | | - 15ianu | Of Hawa | | 0 0 0 0 | | | High Surf | |
| | 12 | 1300I | HST | | | | | | | 0 | |
| | | | | | | • | | 0 feet on wes | t facing s | hores of all the islan | ds. |
| HIZ001>006 | | | | - Island | Of Hawa | aii - Mol | okai - Lanai | | | II: -h Ce | |
| | 11 13 | 20001 06001 | | | | | 0 0 | | | High Surf | |
| | | e storm lo | | rth/northv | vest of the | state cau | sed surf of 10 t | o 15 feet on | north and | d northwest facing | shores on all the |
| HIZ001>006 | | | - Mani | - Island | Of Haw | aii - Mol | okai - Lanai | | | | |
| 1112/001/000 | 13 | 12001 | | Istanto | | | | | | High Surf | |
| | 15 | 06001 | | | | | | | | 5 | |
| | | | | | | * | | 15 feet on we | st facing | shores on all the isla | ands. |
| HIZ001>006 | | | | - Island | Of Hawa | aii - Mol | okai - Lanai 0 0 | | | II:ah Sf | |
| | 13 16 | 1200I 0200I | | | | | 0 0 | | | High Surf | |
| | | | | th/northv | vest of the | Hawaiian | Islands generate | ed surf of 12 | to 18 fee | et on all north and | northwest facing |
| | shores | of all the i | slands. | | | | | | | | - |

| | | Time Local/ | Path Longth | Path | Number Persor | | Estimate | | March 199 |
|-------------------|-------------|-------------------------|-------------------|--------------------|--------------------|---------------|-------------------|------------|---------------------------------------|
| Location | Date | Local/ Standard | Length (Miles) | Width (Yards) | | is Injured | Damag Property | e Crops | Character of Storm |
| HAWAII | | | | | | | | | |
| Hawaii County | | | | | | | | | |
| Pahoa | 14 | 1500HST | | | 0 | 0 | | | Wild/Forest Fire |
| | 17 | 0900HST | | 150 1 | | | | | |
| 1117001.007 | | | | n 150 acres threa | | | s subdivision s | south of | Panoa. |
| HIZ001>006 | Kauai 17 | 1200HST - 1200HST | | d Of Hawaii | - MOIOKAI - 1 0 | Lanai 0 | | | High Surf |
| | 18 | 0400HST | | | U | U | | | Ingli Sull |
| | Storm 1 | low far northw | est of the sta | ate caused surf o | of 6 to 12 feet o | n north a | nd northwest f | acing s | hores of all the islands. |
| HIZ001>006 | | | | d Of Hawaii | | | | | |
| | 19 20 | 1000HST 0100HST | | | 0 | 0 | | | High Surf |
| | | | | lands produced s | surf of 8 to 10 f | eet on no | orth and northw | vest fac | ing shores of all the isles. |
| HIZ004 | | l Of Hawaii | | | | | | | |
| | 21 | 0600HST | | | 0 | 0 | | | High Wind (G61) |
| | 23 | 0900HST | | | | | | | - |
| | | | | 70 mph occurre | | | launa Kea and | Mauna | i Loa. |
| HIZ001>006 | | Oahu - M - 1100HST - 1 | | d Of Hawaii | - Molokai - I 0 | Lanai 0 | | | High Surf |
| | 22 24 | 1100HS1 1800HST | | | U | U | | | High Surf |
| | Station | | | t of the state cau | sed surf of 12 | to 18 feet | on north and | northea | st facing shores of all the islands. |
| DAHO, Extreme Sou | utheast | | | | | | | | |
| | | | | | | | | | |
| | NONE | REPORTED. | | | | | | | |
| DAHO, North | | | | | | | | | |
| | | | | | | | | | |
| | NONE | E REPORTED. | | | | | | | |
| IDAHO, Northwest | | | | | | | | | |
| IDZ001-001-004 | | ern Panhan | dle - Shosl | hone | | | | | |
| | 04 05 | 0830PST 0450PST | | | 0 | 0 | 25K | 0 | Heavy Snow |
| | | | ifed on Hwy | y 95 just north o | f Bonners Ferr | y due to s | now and ice | | |
| Nez Perce County | 1 | 5 | • | | | | | | |
| Lewiston | 05 | 1645PST | | | 0 | 0 | 0 | 0 | Funnel Cloud |
| | Spotter | r reported funn | el cloud wh | ich did not touc | h down | | | | |
| DAHO, Southeast | | | | | | | | | |
| Bannock County | | | | | | | | | |
| Lava Hot Spgs | 24 | 0840MST | | | 0 | 0 | | | Hail (0.75) |
| | | 0852MST | | | | | | | |
| DAHO, Southwest | | | | | | | | | |
| IDZ004 | Shosh | | • | | 0 | 0 | | | н |
| | 01 02 | 2200MST 0600MST | | | 0 | 0 | | | Heavy Snow |
| IDZ005>006-011 | | | | tains - South | ern Clearwa | ter Mor | intains - We | st Cer | tral Mountains |
| 102000/0000011 | 01 | 2200MST | | South | 0 | 0 | intuinis iite | St CCI | Winter Storm |
| | 02 | 0600MST | | | | | | | |
| | | | | | | | | n the V | Vest Central Mountains, Clearwat |
| ID7014 | | | • | . Kellogg receiv | ed 8 inches of | new snov | Ν. | | |
| IDZ014 | Upper 04 | Treasure V • 0500MS1 | | | 0 | 0 | | | Winter Storm |
| | . | 0800MST | | | U | v | | | miner Storm |
| | | morning of M | Iarch 4, a lo | | | nches of a | accumulation of | ver sou | th east Boise. Twenty to thirty min |
| | | | - | on area roadway | | | | | |
| IDZ021>022 | | | | South Central | | ~ | | | . |
| | 04 | 1400MST 2100MST | | | 0 | 0 | | | Winter Storm |
| | A wint | | | l ice coated road | s and disrupted | l traffic ir | 1 south eastern | Idaho | Interstate 15 was closed briefly ne |
| | | | | c accidents were | | | | | · · · · · · · · · · · · · · · · · · · |

| | | Time | Path | Path | Number | of | Estimated | Ma | arch 1998 |
|--|--|---|--|--|---|--|---|--|---|
| Location | Date | Local/ Standard | Length (Miles) | Width (Yards) | Persor Killed | ıs Injured | Damage Property Crops | Character of Storm | |
| IDAHO, Southwest | | | . , | ()) | | 5 | | | |
| Twin Falls County 2 S Twin Falls to 2 W Twin Falls | 23 A seve | 1619MS 1625MS are thundersto | Т | dime and nickel | 0 sized hail near | 0 • Twin Fa | lls | Tstm Wind/Hail | |
| IDZ012 | Lower 23 | r Treasure 2200MS | Valley T | | 0 | 0 | | Flood | |
| | 24 The W | 2200MS eiser River a | | slightly above f | ood stage due | to snow n | nelt. No damage wa | is reported. | |
| Canyon County 4 S Caldwell | 24 Weath | 1415MS er spotters an | | vision station rep | 0 ported a small f | 0 unnel clor | ud near Caldwell. | Funnel Cloud | |
| IDZ015>016-022 | | west Highl 0000MS | ands - Wes T | tern Magic V | | | | Heavy Snow | |
| | night of | f March 29th | round a low p and the more | ning of March 3 | 0th. Local hea | vy snow | | e over south central Idah Valley and the surrounding me. | |
| ILLINOIS, Central | | | | | | | | | |
| ILZ027>031-036>038- 040>057 | Witt - | Piatt - Ch | | Vermilion - C | | | | chuyler - Mason - Log gamon - Christian - M | · |
| | 08 09 | 2200CS 2200CS | | 0 | 2 | 0 | | Winter Storm | |
| | 8th. Th tapered Numero control | he snowfall p l off, snowfa ous accidents of their vehi | ersisted over all amounts r were reporte cles due to the | night with a mix anged from 2 i ed with dozens o e trecherous road | ture of freezing nches in Coles f minor injuries 1 conditions. E | g rain and s county s. Two m Even after | snow in our southe to over 6 inches in hen died in separate | over to snow in the evenir astern counties. By the tir n Knox, Peoria, and Fult accidents in Peoria county ed, gusty winds to 50 mph M41VE, M52VE | ne the snow on counties. y as they lost |
| Scott County | | 1-1-00 | - | | 0 | | <u>_</u> | | _ |
| Countywide | 27 Numer | 1725CS 1800CS ous large tre | Г | ower lines were | 0 blown down th | 0 roughout | 0 Scott county | Thunderstorm Wi | nd |
| Schuyler County | | | r | | | | | | |
| Camden to 5 E Rushville | 27 | 1747CS 1810CS | | | 0 | 2 | 1M 0 | Thunderstorm Win | nd (G52) |
| 5 E Rusivile | sustain windov rear wa satellit | inderstorms inderstorms inderstorms inderstorms and severe blow all of one busing and sheet and | noved throug fter being str on out in Rus iness to colla communicati | uck by a tree li hville and a roof pse and another ions antennas we | mb while they was torn off o lost its roof in ere torn off the | were sta f a recycl Rushville roof of a | inding in their yard ing plant 5 miles ea . Also, numerous ca | a bins in Camden. A Ca watching the storm pass. st of Rushville. The wind ars at two dealerships were a storage building was der | Numerou s ls caused th e damaged, 2 |
| Cass County Beardstown | | 1808CS I large trees e estimate wa | were blown d | lown and some s | 0 iding was take | 0 n off of o | 0 ne home in Beardst | Thunderstorm Win own. No injuries were rep | |
| Fulton County Astoria to | 27 | 1810CS | Г | | 0 | 0 | 0 | Thunderstorm Win | nd |
| Farmington | signs, t blown | trees, tree lin down and tl | nderstorms manual nderstorms manual nderstorms nd nderstorms nde | er lines were blo | own down. At some damage | the same | time in Avon, num rous trees, tree limb | homes were damaged, sev erous power lines and tree os, and power lines were | e limbs were |
| Sangamon County 2 E Pleasant Plains to Mechanicsburg | 27 | 1825CS 1850CS | | | 0 | 0 | 88.5K 0 | Thunderstorm Win | nd |

Storm Data and Unusual Weather Phenomena March 1998 Path Estimated Time Path Number of Local/ Length Width Persons Damage Location Date Standard Killed Character of Storm (Miles) Property Crops (Yards) Injured **ILLINOIS, Central** A line of severe thunderstorms moved rapidly across Sangamon county causing scattered reports of damage. Two miles east of Pleasant Plains, a semi was blown over and 3 cars were blown off the road. In Chatham, some siding was blown off of a house. In Springfield, a grain bin was blown over, a large tent was destroyed, and numerous trees, tree limbs, and power lines were blow n down. Three miles west of Mechanicsburg, an open side hay shed was destroyed. Also, just south of Mechanicsburg, a large metal storage shed was destroyed and its contents were damaged including a combine, tractor, and a two-ton grain truck. So far, damage has been estimated around \$88,500. No injuries were reported. **Menard Countv** 2 S Petersburg to 27 1830CST 0 0 0 Thunderstorm Wind Athens 1835CST Thunderstorm winds blew down numerous trees along Route 97 two miles south of Petersburg and destroyed a transformer in Athens. No injuries were reported and no damage estimate was available. **Knox County** 1835CST 2 S Abingdon to 27 0 0 0 Thunderstorm Wind 2 E Altona 1858CST A line of severe thunderstorms moved across Knox county. A semi was overturned two miles south of Abingdon. Numerous trees, tree limbs, and power poles were blown down. Two miles east of Altona, a garage was destroyed. No injuries were reported and no damage estimate was available. **Peoria County** 6 S Elmwood to 27 1843CST 0 0 Thunderstorm Wind (G54) Peoria 1910CST As a line of severe thunderstorms moved through Peoria county, numerous reports of damage were received. Six miles south of Elmwood, several small greenhouses and a metal building were damaged. In Peoria, a 200 foot by 75 foot section of the post office garage roof was blown off and curled into a ball and the second story of an abandoned business collapsed due to the thunderstorm winds. No injuries were reported. Throughout the county numerous trees, tree limbs, power poles, and power lines were blown down. No damage estimate was available. Mason County 1 E Allen 27 1845CST 0 0 0 Thunderstorm Wind Numerous trees and power lines were blown down 1 mile east of Allen. No injuries were reported and no damage estimate was available. Logan County 1847CST 0 San Jose to 27 0 0 Thunderstorm Wind (G61) Chestnut 1910CST As a line of severe thunderstorms moved through Logan county, numerous reports of damage were received. A greenhouse in San Jose was damaged and in Mt. Pulaski two buildings sustained roof damage, a storage shed was damaged, and numerous large tre e limbs were blown down. In Chestnut, a 1-ton truck was blown over on Route 54. No injuries were reported and no damage estimate was available. **Tazewell County** 0 500K Green Vly to 27 1855CST 0 0 Thunderstorm Wind (G52) Morton 1910CST A line of severe thunderstorms moved through Tazewell county. A 60 mph wind gust was recorded in Delavan and numerous trees & tree limbs were reported blown down in Green Valley, South Pekin, and Tremont. In Morton, the thunderstorm winds caused \$500,000 in damage to a car dealership as shingles, rocks, and other debris were blown onto over 300 cars, knocking out windows on some and causing large dents in others. No injuries were reported. Stark County **5** S Wyoming to 27 1908CST 0 0 0 Thunderstorm Wind 5 W Bradford 1915CST Numerous large trees were blown down. Several fell down across Hwy 93 five miles west of Bradford. No injuries were reported and no damage estimate was available. **De Witt County** Clinton 27 1920CST 0 0 0 Thunderstorm Wind Thunderstorm winds blew down numerous power lines in Clinton. No damage estimate was available. **Marshall County** 1920CST 0 Sparland to 27 0 0 Thunderstorm Wind 1932CST Henry Thunderstorm winds blew down numerous power lines and power poles in Sparland and Henry. No injuries were reported and no damage estimate was available. Mclean County 1932CST 0 Bloomington 27 0 0 **Thunderstorm Wind (G54)** Numerous large tree limbs were blown down. One fell down onto an unoccupied car, causing the roof to cave in. No injuries were reported and no damage estimate was available.

Storm Data and Unusual Weather Phenomena March 1998 Estimated Path Number of Time Path Local/ Length Width Persons Damage Date Location Standard Killed Character of Storm (Miles) Property Crops (Yards) Injured **ILLINOIS, Central Moultrie County** 27 1940CST 0 0 Lovington 0 **Thunderstorm Wind** Thunderstorm winds destroyed a shed and blew over a large tree just south of Lovington. No injuries were reported and no damage estimate was available. **Champaign County** 28 0515CST 90K 0 0 0 **3 SW Philo** Thunderstorm Wind Thunderstorm winds tore out the entire west side of one home, destroyed the framing members of a house under construction, damaged a garage, and blew a mobile home off of its foundation. In all six homes, two barns, a trailer, and a shed were damaged 3 miles southwest of Philo. No injuries were reported and damage was estimated around \$90,000. **Coles Countv** 0525CST 1.5 220 0 3 1 SW Mattoon to 28 3M 0 Tornado (F2) 1 E Mattoon 0532CST A tornado touched down 1 mile southwest of Mattoon and travelled to the northeast. It damaged 4 homes in the initial touchdown area and then crossed a set of railroad tracks turning over 4 empty 30-ton coal cars. After crossing the railroad tracks, the tornado hit a self-storage facility, where six of the ten buildings in the complex were destroyed. The tin and steel girder buildings were not bolted down to the cement slabs, so they were lifted up, "wadded up" into a big pile, and deposited downstream about 200 yards. Further to the northeast, it damaged or destroyed numerous homes and businesses before lifting. It remained aloft for several blocks, then touched down again, tearing off treetops and damaging several roofs in the area. It lifted again and touched down a final time about a block away. Damage in this area was to tree tops and roofs. Overall, the tornado was on the ground for 1.5 miles and it either damaged or destroyed 120 homes and businesses. Damage is estimated between \$2.5 and \$3 million. Two people sustained minor injuries and one 9 year old child was seriously injured when a picture frame blew off the wall, hit her in the back , and cut her, causing her left lung to partially collapse. **ILLINOIS**, Northeast ILZ006-012>014-Lake - Kane - Du Page - Cook - La Salle - Kendall - Grundy - Kankakee - Livingston - Iroquois - Ford 019>021-023-032>033-039 09 0400CST A 0 Heavy Snow 1100CST A strong low pressure system brought a late winter storm to northeast Illinois the morning of March 9th. The low, which originated in the southwestern U.S., took an east-northeast track, reaching central Illinois by the evening of the 8th. Precipitation began in the form of rain out ahead of this system, and then changed over to heavy snow in the pre-dawn hours on the 9th. The heavy snow continued through the morning hours and had ended by noon. Six to 12 inches of heavy, wet snow fell across much of northeast Illinois. Strong winds combined with the heavy snow damaged power lines and tree limbs throughout northeast Illinois. More than 300,000 households had lost power, with some places without electricity for up to 4 days. Along Lake Michigan, high winds generated high waves, which flooded and closed sections of Lake Shore Drive and also caused beach erosion and lakefront park damage. Estimated damage to the lakefront parks alone totaled nearly half a million dollars. Heavier snowfall totals reported: Will County: Peotone-12 inches, Crete-11 inches, NWS office/ Romeoville-9 inches, Manhattan-8 inches, and in Plainfield-8 inches. Cook County: Midway Airport-11 inches, Park Forest-9 inches, and O'hare Airport-6 inches. DuPage County: Winfield-8 inches, Wheaton-7 inches, Downers Grove-6 inches, Geneva-6 inches and in Aurora-6 inches. Kankakee: Bourbannais-8 inches and Kankakee-8 inches. La Salle County Peru to 27 2000CST 0 0 Thunderstorm Wind (G50) Marseilles 2015CST Winds to 50 mph were reported at Peru by the Peru police. Strong winds downed power lines and trees. **ILLINOIS**, Northwest ILZ001>002-016>018-Jo Daviess - Stephenson - Henry - Bureau - Putnam - Mercer - Henderson - Warren - Hancock - Mcdonough 024>026-034>035 0 08 1200CST 0 Heavy Snow 09 1130CST Bands of heavy snow fell across eastern Iowa and Northwest Illinois resulting in numerous road and school closures. Most

Bands of heavy snow fell across eastern Iowa and Northwest Illinois resulting in numerous road and school closures. Most locations reported amounts ranging from 2 to 6 inches with 6 to 9 inches under the heaviest bands. The heavy snow coupled with earlier rain and sleet also caused extensive power and telephone outages over northern Illinois.

| | | Time | Path Longth | Path | Numbe | | Estimated | March 1998 |
|---------------------------------|---------------------|----------------------------|-------------------|------------------|-----------------|-----------|--------------------------|---------------------------------------|
| Location | Date | Local/ Standard | Length (Miles) | Width (Yards) | Perso Killed | Injured | Damage Property Crops | Character of Storm |
| LLINOIS, Northwest | | | | | | | | |
| Mcdonough County | | | | | | | | |
| Colchester to Good Hope | 27 | 1813CS7 | ſ | | 0 | 0 | | Thunderstorm Wind (G63) |
| | Winds | s were measure | ed 6 miles no | rth of Argyle La | ake State Park. | | | |
| Mcdonough County | | | | | | | | |
| Macomb | 27 Car de | 1815CST ealership sign | | own. | 0 | 0 | 1K | Thunderstorm Wind (G56) |
| Warren County | | | | | | | | |
| Roseville | 27 Grain | 1830CST bin was blown | | | 0 | 0 | 2K | Thunderstorm Wind |
| Warren County | | | | | | | | |
| Monmouth | 27 | 1834CS7 | | | 0 | 0 | 0.50K | Thunderstorm Wind |
| | Winde | ow was blown | out at County | y Jail. | | | | |
| Mercer County | | | | | | | | |
| Aledo | 27 | 1849CS7 | Г | | 0 | 0 | | Thunderstorm Wind (G55) |
| | Nume | rous trees and | power lines v | were downed. | | | | |
| Mercer County | | | | | | | | |
| Preemption | 27 | 1910CS7 | Г | | 0 | 0 | 3K | Thunderstorm Wind |
| | Winds | s knocked dow | n a barn and | numerous powe | er poles. | | | |
| Rock Island County | | | | | | | | |
| East Moline | 27 | 1915CST | Г | | 0 | 0 | 3K | Thunderstorm Wind |
| | | 1918CS7 | | | | | | |
| | Police | car and anoth | er vehicle we | re damaged wh | en a large sign | was blow | vn onto the vehicles. | |
| Henry County | | | | | | | | |
| Geneseo | 27 | 1920CST | Г | | 0 | 0 | | Thunderstorm Wind (G60) |
| | Large | tree and powe | r line blown | down and block | ing Wolf Road | l near Ro | ute 82. | |
| Rock Island County Moline to | 27 | 1920CST | Г | | 0 | 0 | | Thunderstorm Wind (G52) |
| Port Byron | | | | | | | | |
| | Down | ed trees and p | ower lines ca | used power outa | ages affecting | 3250 elec | tric customers. | |
| Henry County | | | | | | | | |
| Geneseo | 27 | 1922CST | ſ | | 0 | 0 | | Thunderstorm Wind (G61) |
| Whiteside County | | | | | | | | |
| Fulton | 27 | 1925CST | Г | | 0 | 0 | | Thunderstorm Wind (G52) |
| | Down | ed trees and p | ower lines ca | used numerous | power outages | across th | ne city. | |
| Bureau County | | | | | | | | |
| Princeton | 27 | 1933CST | Г | | 0 | 0 | | Thunderstorm Wind (G57) |
| | Nume | rous trees and | power lines v | were downed by | thunderstorm | winds. | | |
| Bureau County | | | - | - | | | | |
| Mineral to | 27 | 1935CST | Г | | 0 | 0 | | Thunderstorm Wind (G52) |
| Wyanet | | | | | | | | |
| • | Many | locations were | e without pow | ver across weste | rn half of the | county. | | |
| Bureau County | | | | | | | | |
| Wyanet | 27 | 1935CST | Г | | 0 | 0 | | Thunderstorm Wind (G55) |
| | Nume | rous trees and | limbs were b | lown down. | | | | |
| Carroll County | | | | | | | | |
| Savanna | 27 | 2012CST | Г | | 0 | 0 | | Thunderstorm Wind (G58) |
| Suvuilla | | | | across Route 4 | | | | Thuhuerstorin (Coo) |
| Carroll County | | I | | | | | | |
| Savanna to | 27 | 2016CST | Г | | 0 | 0 | | Thunderstorm Wind (G60) |
| Wacker | | 20100051 | | | Ū | Ū | | Thuhueistorini (Coo) |
| | Large | blown down t | ree was block | ing Wacker Ro | ad. | | | |
| LLINOIS, South | C | | | - | | | | |
| | | | | | | | | |
| ILZ092 | Alexa | | | | ~ | ~ | | |
| | 21 | 0200CST | | | 0 | 0 | | Flood |
| | 28 The N | 1000CS7 Iississippi Riv | | 35.5 feet at Th | ebes, where fl | ood stage | e is 33 feet. This resu | lted in minor flooding of agricultura |

The Mississippi River crested at 35.5 feet at Thebes, where flood stage is 33 feet. This resulted in minor flooding of agricultural bottomlands and river access roads.

| | | Time | Path | Path | Numbe | | Estimated | | March 1998 |
|-----------------------------|----------------|--------------------------------|-------------------|-------------------|------------------|---------------|---|------------------------|--------------------|
| Location | Date | Local/ Standard | Length (Miles) | Width (Yards) | Perso Killed | ns Injured | Damage Property Crops | Character of Storm | |
| ILLINOIS, South | | | | . , | | 5 | | | |
| ILZ087-092>094 | Gallat | tin - Alexan | der - Pulas | ski - Massac | | | | | |
| | 22 | 0600CST | | | 0 | 0 | | Flood | |
| | 31 The Of | 2359CS nio River cres | | e flood stage at | several location | ns. This r | esulted in some minor | r flooding of agricult | ural bottomlands |
| | and riv | er access roa | ds. The rive | r crested right | at the 37 foot | flood sta | ige at Brookport, 3 f | | |
| 11 7004 | | | .6 feet above | the 40-foot floo | od stage at Cair | о. | | | |
| ILZ084 | Jackson 22 | on 0800CSI | r | | 0 | 0 | | Flood | |
| | 31 | 2359CST | Г | | | ~ . | | | |
| | | | | | | | ige at Murphysboro. 7 r. Moderate flooding | | |
| | | roads occurre | * * | which backed u | p die Dig Mu | duy Rive | 1. Woderate Hooding | of some agricultura | i areas and river |
| ILZ076-084 | Wayn | e - Jackson | | | | | | | |
| | 26 | 1100CST 1500CST | | | 0 | 0 | 10K | High Wind (G | 50) |
| | Strong | | | to 30 MPH wit | h higher gusts | Gusts w | vere estimated near 58 | 3 MPH on the highe | r elevations from |
| | Marion | and Carbond | lale northeast | to Fairfield in V | Wayne County | . Limbs, l | oranches, and a few p | ower lines were blow | n down in these |
| | | No significan gh pressure o | | - | urred. The stro | ong wind | s were caused by lov | v pressure over the l | Plains interacting |
| | with m | gii piessuie o | ver the Atlan | ue coast. | | | | | |
| Franklin County | | | | | | | | | |
| 5 S Benton | 28 | 0030CST | | | 0 | 0 | | Thunderstorm | Wind (G52) |
| | Strong | thunderstorm | n winds snapp | bed trees along I | nterstate 57 be | tween Be | nton and West Frankf | fort. | |
| ILLINOIS, Southwest | + | | | | | | | | |
| ILZ058>059-095>097- | - | o Macour | in Adam | s - Brown - P | iko Iorsov | Madia | n | | |
| 099>100 | Green | ie - Macoup | nii - Auain | S - DIOWII - I | ike - Jeisey | · Iviauis | 011 | | |
| | 08 | 2300CST | | | 0 | 0 | | Winter Storm | |
| | 09 A late y | 1300CS winter snow s | | d between 1 to (| 5 inches of sno | w across | west central and sout | hwest Illinois. The h | eaviest snow fell |
| | | | | | | | ons in Adams County | | |
| | the maj | or problems | caused by the | storm. | | | | | |
| Calhoun County Hardin | 27 | 1736CST | r | | 0 | 0 | | Thunderstorm | Wind (C50) |
| marum | | | | d trees in Hardin | | U | | 1 nunuer stor m | wind (050) |
| Brown County | | | | | | | | | |
| Mt Sterling | 27 | 1740CST | Г | | 0 | 0 | | Thunderstorm | Wind (G56) |
| Brown County Timewell | 27 | 1747CST | r | | 0 | 0 | | Thunderstorm | Wind (C56) |
| Thiewen | | | | over on Highwa | | | warn spotters reporte | | |
| Jersey County | | | | | | | | | |
| Jerseyville | 27 Thund | 1750CS | | d trees and pow | 0 er lines | 0 | | Thunderstorm | Wind (G52) |
| Macoupin County | Thund | cistoini wind | gusts downed | a trees and pow | er mies. | | | | |
| 14 W Carlinville | 27 | 1800CS7 | | | 0 | 0 | | Thunderstorm | Wind (G55) |
| a a . | Thund | erstorm wind | gusts destroy | ed a storage but | lding and blew | part of t | he roof off a barm. | | |
| Greene County Carrollton | 28 | 0208CST | r | | 0 | 0 | | Hail (0.75) | |
| INDIANA, Central | 20 | 02000051 | | | v | U | | Han (0.75) | |
| Bartholomew County | | | | | | | | | |
| 5 W Columbus | 08 | 2158EST | ſ | | 0 | 0 | | Hail (0.75) | |
| Marion County | | | | | | | | | |
| Lawrence | 08 Warm | 2224EST | | | 0 Ulan Darla | 0 | | Hail (0.88) | |
| INZ028>029-035- 043>044 | warr | en - Tippec | anoe - Fou | ntain - Vermi | mon - Parke | | | | |
| | | | | | | | | | |
| 0102011 | 10 | 0700EST | ſ | | 0 | 0 | | Flood | |

| | | Time Local/ | Path Length | Path Width | Number Person | | Estimated Damage | March 1998 |
|--|----------|----------------------------|----------------|----------------------|-------------------|--------------|--------------------------|---|
| Location | Date | Standard | (Miles) | (Yards) | | njured | Property Crops | Character of Storm |
| NDIANA, Central | | | | | | | | |
| | | | | | | nt the W | abash River above ba | nkful to effect some local river road |
| INIZ0295 020 025 | | ttomland agricul | | | | Vice | Sullivon Vnor | |
| INZ028>029-035- 043>044-051-060-067 | warr | en - Tippecan | ioe - Fount | ain - vermi | шоп - Рагке | - vigo | - Sullivan - Knox | |
| 0432044-031-000-007 | 19 | 0700EST | | | 0 | 0 | | Flood |
| | 31 | 0700EST | | | | | | |
| | | | | | | | | e Wabash River. The flooding agai |
| | | | | | | | | he river exceeded flood stages by on counties will be listed again in Apri |
| | | Data to show the | | | | | ary April. These same | countes will be listed again in April |
| INZ053>054-061- | | - Morgan - C | - | • • | | | | |
| 067>068 | 0 | | | | | | | |
| | 21 | 0700EST | | | 0 | 0 | | Flood |
| | 27 | 2359EST | 1.1 | 20.1 | | | | |
| | | | | | | | | White River in central and southwes act was felt mainly on river roads an |
| | | lannd areas prio | - | | es were exceed | eu by se | veral leet but the http: | act was felt manny on fiver foads an |
| INZ071 | Jacks | - | | | | | | |
| | 21 | 0700EST | | | 0 | 0 | | Flood |
| | 24 | 0700EST | | | | | | |
| | | | | | | | | several feet above flood stage. Th |
| Johnson Country | impact | ed mainly local | river roads ai | nd bottomland | agricultural are | eas prior | to spring planting in t | the Seymour area. |
| Johnson County Princes Lakes | 28 | 0430EST | | | 0 | 0 | 1.5K | Thunderstorm Wind |
| I THICES Lakes | 20 | 0430EST 0432EST | | | U | U | 1.31 | Thunderstorm wind |
| | Thund | erstorm winds b | lew down tre | es and power | lines. | | | |
| Johnson County | | | | | | | | |
| Smith Valley | 28 | 0430EST | | | 0 | 0 | 1.5K | Thunderstorm Wind |
| | Thund | 0433EST erstorm winds b | lew down tre | es and nower | lines | | | |
| NDIANA, Northeast | Thund | | iew down de | tes und power | lines. | | | |
| | | | | | | | | |
| Kosciusko County Oswego | 28 | 0840EST | | | 0 | 0 | 1K | Thunderstorm Wind |
| 0311050 | | lown down in to | wn. shed de | stroyed. | Ū | Ū | | Thunderstorm white |
| Miami County | | | | - | | | | |
| (Gus)Grissom Afb Per | 28 | 0905EST | | | 0 | 0 | | Thunderstorm Wind (G65) |
| Miami County | | | | | | | | |
| (Gus)Grissom Afb Per | 28 | 0918EST | | | 0 | 0 | | Thunderstorm Wind (G65) |
| Whitley County | | | | | | | | |
| Laud | 28 | 1005EST | 0.1 | 10 d causing tree | 0 damage and m | 0 oderate | damage to one home. | Tornado (F0) |
| Allen County | sinan t | iomado touched | uown in Lau | u causing tree | damage and m | oucraic | damage to one nome. | |
| Ft Wayne | 28 | 1015EST | | | 0 | 0 | 5K | Thunderstorm Wind |
| 20000 | | 1030EST | | | - | - | | |
| | | | | | | | | ver lines down as well. Trees up to |
| | feet in | diameter 3 mile | s south of Ba | aer Field at US | S 27 and Thomp | oson Roa | ad. | |
| Allen County | 20 | 1021567 | 0.2 | 50 | 0 | 0 | 2517 | |
| Harlan | 28 | 1021EST 1023EST | 0.3 | 50 | 0 | 0 | 25K | Tornado (F1) |
| | small t | | down in Har | lan. It damag | ed a cabinet fac | tory and | completely destroyed | l a mobile home. |
| NDIANA, Northwest | | | | | | | | |
| INZ001>004-010>011 | Lake | - Porter - La | Porte - St. | Joseph - Ne | wton - Jaspe | r | | |
| | 09 | 0800EST | | | 0 | 0 | | Heavy Snow |
| | 11 | 1600EST | | 1. 1. | | | 1 · · · | |
| | | | | | | | | March 9th. The low, which originate |
| | in the s | | | ist-normeast ff | ack, reaching C | uuai Ill | mors by the evening (| of the 8th. Precipitation in the form o |
| | rain be | gan out ahead o | f this system | , and changed | l over to a heav | v. wet s | now between 7am an | d 8am (est). The snow continued in |

main storm event and causing additional snowfall accumulations of 2 to 6 inches.

| | | Time | Path | Path | Num | Number of | | ated | | March 1998 |
|----------|------|----------|---------|---------|--------|-----------|----------|-------|--------------------|------------|
| - · | | Local/ | Length | Width | Per | sons | Dam | age | | |
| Location | Date | Standard | (Miles) | (Yards) | Killed | Injured | Property | Crops | Character of Storm | |

INDIANA, Northwest

The combination of strong winds and heavy snowfall brought traffic to a standstill on stretches of I-65 and Interstate 80/94 in Indiana. Some drivers were stranded for as long as 18 hours. Many homes were without electricity, as numerous power lines were downed due to the weight of the heavy, wet snow. Also, tree limbs and branches were downed.

Total snowfall storm totals reported: Lake County: Merriville-18 inches, and Crown Point-12 inches. Porter: Valparaiso-15 inches. LaPorte County: Rolling Prarie-18 inches, Stillwell-16 inches, LaPorte-between 13-16 inches, MIchigan City 13.5 inches, and Westville-13.5 inches. Elkhart County: Elkhart-10.5 inches, and Goshen-between 6-8 inches. St. Joseph County: South Bend-16.5 inches, Walkerton-14 inches, and in Mishawaka-12 inches.

INDIANA, South Central

NONE REPORTED.

INDIANA, Southeast

NONE REPORTED.

INDIANA, Southwest

| Pose | У | | | |
|-------|---------------------------|----------------------------|----------|---|
| 26 | 0900CST | 0 | 0 | Flood |
| 30 | 1900CST | | | |
| The | Wabash River crested less | an a foot above flood stag | e at Nev | w Harmony, causing very minor flooding of low 1 |
| botto | mlands. | _ | | |

IOWA, Central

INZ085

IAZ024>028-033>039-044>050-057>062-070>075-081>085-092>096

Humboldt - Wright - Franklin - Butler - Bremer - Sac - Calhoun - Webster - Hamilton - Hardin - Grundy -Black Hawk - Crawford - Carroll - Greene - Boone - Story - Marshall - Tama - Audubon - Guthrie - Dallas -Polk - Jasper - Poweshiek - Cass - Adair - Madison - Warren - Marion - Mahaska - Adams - Union - Clarke -Lucas - Monroe - Taylor - Ringgold - Decatur - Wayne - Appanoose 07 2100CST 1 0 2M Heavy Snow 08 2359CST

lying

A powerful storm system developed over the southern Rockies and advanced into the southern Plains. The storm moved northeast across Missouri into Illinois leaving Iowa in the deformation zone for an extended period of time. While the low was advancing northeast, a strong Arctic high pressure cell located over northern Canada dropped southeast toward the U.S. The high was near 1055 mb, while the low pressure was near 990 mb. This resulted in a tight pressure gradient over Iowa through the storm. An initial area of light snow advanced across the state and changed to freezing rain and sleet over the southwest and central counties during the evening of the 7th. The ice accumulation was not very significant however. The precipitation changed over to snow during the late evening and early morning hours. By the predawn hours of the 8th, significant snow was falling over a large part of southwest into central Iowa. During the late night hours into the early morning of the 8th, the snow became convective with thundersnow reported as far north as central Iowa. Winds increased on the 8th with north winds of 30 to 50 MPH reported over all of Iowa on the 8th into the 9th. The snow was very wet in consistency. As a result, there was considerable drifting and some blowing. True blizzard conditions did not occur over a widespread area, but were reported locally. The winds caused huge drifts which blocked most east to west highways in the state. Snowfall over the area affected ranged from 8 to 12 inches in most areas. Heavier amounts were reported over central into southwest Iowa. Numerous reports of 12 to 14 inches were received in a 30 mile wide area extending from Des Moines, southwest to the southwest Iowa border. One of the heaviest storm total snowfall reports came from Windsor Heights with 15.4 inches. Indianola and Perry both reported between 13.5 and 14 inches of snow. Some unofficial reports from around the Creston area were received in the 20 inch range. Sixteen inches was reported in Clarke County and also in Carroll County. With the large amounts of snow and the winds, drifts of 15 to 20 feet in depth were common. The heavy drifts closed most highways in the state on the 8th. One death occurred. An 81 year old Female died of exposure when she attempted to travel from the Osceola Nursing and Rehabilitation Center to the Calvery Bible Church. Churches were closed over a large part of Iowa. Shopping malls were closed for the entire day Sunday. School districts were already closing on Sunday for Mondays classes. Many schools remained closed for 2 to 3 days. Hundreds of people were stranded by the snow and forced to stay put for one to two days. Spotty power outages occurred, but there were no reports of widespread power outages. With conditions as they were, a few areas were without power for 4 days. The storm was costly in terms of snow removal. The State of Iowa estimated the storm cost \$4 million to clear highways. Four days after the snow fell, the Iowa D.O.T. reported in excess of 1000 miles of highway still blocked by snow. The National Guard was called out to help rescue people as well. Eleven counties were declared disaster areas by the State of Iowa. They were Polk, Adams, Madison, Warren, Mills, Montgomery, Adams, Union, Clarke, Page, and Taylor. Following the storm, Arctic air swept into the state to make matters worse. Temperatures dipped to -24 at Bedford and

| | | Time | Path | Path | Number | | Estimated | March 1998 |
|--|--|---|--|---|--|--|--|---|
| Location | Date | Local/ Standard | Length (Miles) | Width (Yards) | Persor Killed | 1s Injured | Damage Property Crops | Character of Storm |
| IOWA, Central | | | | | | | | |
| | the sta weathe crop, h \ F810 | te fell below z er conditions of nowever true ex DU | zero for at le f February, fl atent will not | ast one to two i owering plants a be known for m | nights followir and trees were any months. | ng the st fairly ac | torm. It is significant lvanced. Serious dama | corded so late in the season. Most of to note that following the very mild age occurred to much of the state fruit |
| IAZ004>007-015>017- 023>028-033>039- 044>050-057>062- 070>075-081>086- 092>097 | Wrig Craw Powe Monr | ht - Franklir ford - Carro shiek - Cass oe - Wapello | n - Butler - oll - Greend - Adair - M o - Taylor - | Bremer - Sac e - Boone - Sto Iadison - Wa | : - Calhoun - ory - Marsha rren - Mario | · Webs all - Ta on - Ma iyne - A | ter - Hamilton - Ha ıma - Audubon - G ahaska - Adams - U Appanoose - Davis | Pocahontas - Humboldt - ardin - Grundy - Black Hawk - uthrie - Dallas - Polk - Jasper - Jnion - Clarke - Lucas - |
| | 17 | 0200CST 1400CST | | | U | 0 | 299.9K | Ice Storm |
| | the sha early n freezin with m central of the to fall had wa able to north w classes | allow Arctic ai morning hours of rain began to host areas picki and north wer 17th. By noon over the north armed to near to warm roads a was generally for the day du | r in place, th of the 17th a o fall over so ing up about e light at this and parts of o a little abound trees to t under one qu ie to the ice. | the stage was set s winds became uthern Iowa sho one tenth inch o point. Heavier attres warmed a the central cour ve freezing. Ev he point that ici arter inch. Trav There was little | for an ice stor southerly aloft rtly after midn of ice across th freezing rain s bove freezing tties. By mid en though read ng was no lon vel was diffict e damage how | rm. Sub in adva ight and spread in over the afternoo dings we ger a pr ilt over ever as t | b freezing temperature ince of an approaching spread north quickly. third of the state by su to the north two thirds southern part of the st n, temperatures over the ere below freezing ove oblem. The total accu Iowa for a period of the | ch of the week or so following. With s were in place over Iowa during the upper level low pressure area. Light Amounts were not all that excessive, unrise on the 17th. Amounts over the s of the state during the early morning tate, while the freezing rain continued he central and north parts of the state r the north, the strong March sun was umulation of ice over the central and time. Many school districts cancelled and the ice accumulation was not great widespread. |
| Black Hawk County | | | | | | | | |
| 8 S Waterloo | 30 | 1330CST | | | 0 | 0 | | Hail (0.88) |
| Dallas County Waukee Dallas County | 30 | 1438CST | | | 0 | 0 | | Hail (0.75) |
| 3 E Waukee Polk County | 30 | 1438CST | | | 0 | 0 | 2К | Hail (1.50) |
| Grimes Polk County | 30 | 1447CST | | | 0 | 0 | 1K | Hail (1.00) |
| West Des Moines Polk County | 30 | 1448CST | | | 0 | 0 | | Hail (0.75) |
| Ankeny Marion County | 30 | 1455CST | | | 0 | 0 | 1K | Hail (1.00) |
| Red Rock Mahaska County | 30 | 1530CST | | | 0 | 0 | | Hail (0.75) |
| Nanaska County New Sharon Black Hawk County | 30 | 1600CST | | | 0 | 0 | 50K | Thunderstorm Wind (G61) |
| 8 S Waterloo | 30 | 1616CST | | | 0 | 0 | | Hail (0.75) |
| Lucas County 6 S Chariton | 30 | 1618CST | | | 0 | 0 | | Hail (0.75) |
| Davis County 1 W Troy | 30 | 1630CST | | | 0 | 0 | 50K | Thunderstorm Wind (G61) |
| Monroe County Albia | 30 | 1653CST | | | 0 | 0 | | Hail (0.75) |
| Monroe County 3 NE Avery | 30 | 1706CST | | | 0 | 0 | | Hail (0.75) |
| Wapello County Eddyville | 30 | 1714CST | | | 0 | 0 | 3K | Thunderstorm Wind (G52) |
| Davis County Drakesville | 30 | 1720CST | | | 0 | 0 | 15K | Thunderstorm Wind (G56) |
| Wapello County 1 NW Farson | 30 | 1722CST | | | 0 | 0 | 10K | Thunderstorm Wind (G52) |

| | | Гime | Path | Path | Number | of | Estimated | | March 1998 |
|--------------------------------|---|---|---|--|--|--|---|--|--|
| Location | Data | Local/ Standard | Length (Miles) | Width (Yards) | Person: Killed I | s njured | Damage Property Crops | Character of Storm | |
| IOWA, Central | | | | · · / | | 5 | | | |
| Wapello County 2 W Ottumwa | There with behind the moisture vicinity of numerou fell just with severe with Mahaska were rep Sharon. | as a great co he front. The was in place of the cold fr s reports of the vest of Des N inds. There , and Davis orted over ea The line of s | ntrast across air mass ahe across the str ont. The sto hree quarter to Moines near V were severa Counties. On astern Davis torms did pro | the front with a ad of the front w ate. An upper learness raced north to one inch diama Vaukee. Thoug I reports of hig ne report of 60 County, where a duce one tornad | temperatures i vas quite unsta evel disturband east at nearly eter hail. Hail h there were g h winds over MPH winds v a barn was de o. The tornad | n the up able with ce moved 60 MPF covered susty win southeas vas recei stroyed, o touche | 10K Iowa into eastern Kar per 70s to low 80s a surface dew point ter I northeast along the f I. The main weather the ground south of V ds associated with the st Iowa. Most of the ved in Wapello Cour and in Mahaska Cou d down briefly west o | thead of the front, we mperatures around 6 front and set off thur threat with the stor Vaterloo. Hail of ne e storms, very few le wind reports came thy at Eddyville. We muty where damage f Ottumwa, damagin | with 30s and 40s i0 degrees. Deep nderstorms in the ms was hail with arly golf ball size ocations reported e from Wapello, <i>inds of 70 MPH</i> occurred in New |
| IAZ075-083>086- 094>097 | Mahasi | ka - Clarke | - Lucas - N | Ionroe - Wag | oello - Decat | ur - Wa | ayne - Appanoose | - Davis | |
| | 8th. As t and 30th mainly in the state was min | he snow mel brought up t the upper E with some riv | ted, snow me o 4 inches of Des Moines an vers rising a f | It and rainfall br rain over parts nd Raccoon Bas ew feet above fl | ought rivers to of southeast Io ins, became sa ood stage. Th | o near or owa, with aturated. e smaller | 90K st was mentioned abo just slightly above flo a 1 to 2 inches elsewf Some minor floodin South river rose near Iowa were rising wi | ood stage. Heavy rai here. Areas that wer g occurred over the rly 8 feet above floo | nfall on the 29th re previously dry, southeast part of d stage. Damage |
| IOWA, East Central a | | - | | | | | | | |
| IAZ040>042-051>053- | | | are - Dubu | ave - Benton | - Linn - Jor | nes - Toy | wa - Keokuk - Jeff | reson | |
| 063-076-087 | Duchui | un Deium | ure Dubu | que Denton | | 105 10 | a Reonan Jen | | |
| | 08 09 | 1000CST 1100CST | | | 0 | 0 | | Heavy Snow | |
| Benton County 4 W Vinton | 30 | 1409CST | | | 0 | 0 | | Hail (1.75) | |
| Delaware County Delaware | 30 | 1444CST | | | 0 | 0 | | Hail (1.00) | |
| Linn County Palo | 30 Strong th | 1700CST | dumped 3 inc | hes of rain on P | 0 alo | 0 | | Heavy Rain | |
| Jefferson County | buong u | lunderstorm | dumped 5 me | | uio | | | | |
| Fairfield | 30 | 1816CST | | | 0 | 0 | | Thunderstorm | Wind (G52) |
| Des Moines County Yarmouth | 30 | 1958CST | | | 0 | 0 | | Hail (0.75) | |
| Clinton County .5 E Delmar | 12 inche | | ross the regio | | | | orthwest Illinois after ng I-80 and I-380 as | • | * |
| IOWA, Northeast | units up | | | | | | | | |
| IAZ011-019-029>030 | 08 | 0400CST 2100CST | - | ette - Claytor | 0 | 0 | · 11 · 11 | Winter Storm | |
| Fayette County Wadena | 29 | 0940CST | v was accomp | amed by strong | 0 | 0 | g visibility to near zer | Hail (0.75) | ing 5 foot drifts. |
| Clayton County St Olaf | 29 | 1005CST | | | 0 | 0 | | Hail (0.75) | |
| Chickasaw County Alta Vista | 29 | 1338CST | cials and stor | m spotters repor | 0 | 0 | parts of northeast Iov | Hail (0.75) | |

| | S | torm l | Data ai | nd Unu | sual We | eath | er Phenon | nena | |
|--|--|--|--|--|---|--|---|--|--|
| | | Time | Path | Path | Number | | Estimated | | March 1998 |
| Location | Date | Local/ Standard | Length (Miles) | Width (Yards) | Person: Killed I | s njured | Damage Property Crops | Character of Storm | |
| IOWA, Northwest | | | | | | | | | |
| | NONI | E REPORTEI | Э. | | | | | | |
| <u>IOWA, Southwest</u> IAZ055-069-079>080- 090>091 | Harri | ison - Potta | wattamie -] | Mills - Montş | gomery - Frei | nont - | Page | | |
| 0702071 | 07 08 | 1600CS | | | 0 | 0 | | Winter Storm | |
| | A maj Heavy 6-15 fe | snowfall of 8 oot drifts com | rm moved the 3 to 14 inches | combined with s and businesse | strong northerl | y winds | hear blizzard conditions of 40 to 45 mph cre days as the strong wi | ated considerable blo | wing snow with |
| KSZ035-037-054>055- 058>059 | Jeffer 07 08 A snov 10 or r the mo Frankf forced Junctio reported decrea The sn gradua betwee Drifts Dicki 19 A sma | rson - Ottav 1700CS' 2100CS' wstorm accommore inches for bost snow with 'ort all received the closing of on City. US F ed. One fatal sed dramatica toow began acco ally changed the en 30 and 50 of 4 to 7 feet nson - Mor 0900CS' 2000CS' 2000CS' 11 but strong s | va - Dickins F panied by blir ell along and n 18 inches. Of do 10 inches. f at least 22 U Highway 75 w accident occu lly southeast of way of the common mph mph crowere common ris - Lyon - F Storm produce | on - Geary - zzard condition: north of a line f ther higher amo Strong winds - US and state hi as closed betwe urred in norther of the Kansas T North Central k early evening eating blizzard with drifts exc Osage - Coff d a heavy wet s | Morris - Wal 1 s dumped 6 or n rom Holton in J ounts included C combined with 1 ghways, includi ten Topeka and 1 n Dickinson Co urnpike with litt Cansas during lat to shortly after or near blizzard eeding 10 feet re tey - Anderson 0 snow but accum | ore inc ackson entralia the snow ng 60 n the Neb unty du le accur the aftern midnigi d condit eported 1 0 ulations | the - Shawnee - Dour 150K hes of snow northwes County to Belleville i 15, Blaine 13, and Hé raska boarder. Numer e to a head on collision nulation south of Inter toon on the 7th. Rain ht. Winds increased tions by noon, mainly in extreme cases. F45 10K were held down due | aglas - Lyon - Osa Blizzard t of the Kansas Turnp n Republic County. iolton 11. Belleville, bolton 11. Belleville, ice out conditions in from the west side of rous accidents and str on between two cars. rstate 35. in Northeast and Eas after midnight on the y northwest of the K SVE Snow to mixed precipitatio | ge Sabetha reported Washington, and many areas and Topeka to near anded cars were Snowfall totals t Central Kansas e 8th with gusts ansas Turnpike. |
| | County | y to Abilene i | n central Dicl | kinson County. | Diamond Sprin | ngs rece | to 4 inches south of a eived a locally higher | | |
| KSZ039 | Shaw | • | меозно каріа | s 5, Osage City | 2, Miller 2, and | Counci | n 010ve 2. | | |
| | 26 | 0700CS' 1200CS' | | | 0 | 0 | | High Wind (G4 | 44) |
| | | gusted to are | ound 50 mph, | | grounding wire eported a gust to | | torn from a voltage li h at 1027 AM. | ine in the southwest | part of Topeka. |
| Dickinson County Sand Spg | 27 | 0630CS | Г | | 0 | 0 | | Hail (0.75) | |
| Coffey County 3 S Le Roy | 27 | 1730CS | Г | | 0 | 0 | | Hail (0.75) | |
| Anderson County 3 E Westphalia | 27 | 1747CS | Г | | 0 | 0 | | Hail (1.00) | |
| Ottawa County 3 SW Tescott | 29 | 2000CS | Г | | 0 | 0 | | Hail (0.75) | |
| Cloud County 5 NE Miltonvale | 29 | 2020CS | Г | | 0 | 0 | | Hail (1.75) | |
| Cloud County Aurora Ottawa County | 29 | 2020CS | Г | | 0 | 0 | | Hail (0.75) | |
| Tescott Clay County | 29 | 2055CS | Г | | 0 | 0 | | Hail (1.00) | |
| Morganville | 29 | 2145CS | Г | | 0 | 0 | | Hail (1.00) | |

| Location | Date | Time Local/ Standard | Path Length (Miles) | Path Width (Yards) | Numbe Perso Killed | | Estim Dam Property | | Character of Storm | March 1998 |
|--------------------------------------|--------|----------------------------|---------------------------|--------------------------|--------------------------|------------|--------------------------|---|--------------------|------------|
| KANSAS, East | | | . , | ()) | | , | 1 2 | 1 | | |
| Marshall County Marysville | 29 | 2243CST | | | 0 | 0 | | | Hail (0.75) | |
| Washington County Morrowville | 29 | 2350CST | | | 0 | 0 | | | Hail (0.75) | |
| Wabaunsee County Volland | 30 | 0330CST winds destroyed | l a hay shed | and tore shing | 0 | 0 | 2K | | Thunderstorm | Wind (G50) |
| Pottawatomie County | buong | winds desiroyed | a u nuy shee | and tore shing. | | i or u nou | | | | |
| Blaine | 30 | 1030CST | | | 0 | 0 | | | Hail (1.00) | |
| Lyon County 2 E Admire | 30 | 1205CST | | | 0 | 0 | | | Hail (1.00) | |
| Wabaunsee County 2 NW Harveyville | 30 | 1205CST | | | 0 | 0 | | | Hail (0.75) | |
| Shawnee County 6 SW Topeka | 30 | 1220CST | | | 0 | 0 | | | Hail (0.75) | |
| Osage County Melvern | 30 | 1406CST | | | 0 | 0 | | | Hail (0.75) | |
| Jefferson County 5 SW Mc Louth | 30 | 1425CST | | | 0 | 0 | | | Hail (0.75) | |
| Douglas County 2 W Lawrence | 30 | 1438CST | | | 0 | 0 | | | Hail (0.75) | |
| KANSAS, Extreme So | outhea | <u>st</u> | | | | | | | | |

NONE REPORTED.

KANSAS, North Central

| KSZ005>007-017>019 | Phillips 07 12 | - Smith - Jewell - Rooks - Osborne - M 1600CST 1200CST | itchell 0 | 0 | 300K | 0 | Winter Storm |
|-------------------------------|------------------------|---|------------------------|------------------------------|----------------------------|-----------|------------------------------------|
| | weekend. light rain | late season winter storm belted north central The storm developed in the southwest United and freezing rain fell across north central Kans imes, lasted through the night before ending by | States an as on Sat | d slowly mo urday the 7th | ved northe 1, before cl | ast acros | s the Central Plains. A mixture of |
| | Fortunate accidents | ay, an increasing north wind gusting to 50 mpl ly, ample lead time and accurate forecasts giv on area roads. The dollor amount of losses w of cattle were reported killed. | ve most r | esidents the | choice to | stay at h | nome, thus limiting the number of |
| | across the | wind subsided some by Monday morning of the region. Morning low temperatures dropped b ggled for 25 degrees. | , | | | | |
| KSZ005>007-017>019 | 15 | - Smith - Jewell - Rooks - Osborne - M 0600CST | itchell 0 | 0 | 75K | 0 | Ice Storm |
| | central K | 1800CST ratures remained steady near the freezing mark ansas. The most significant icing occurred the sburg. Roads were nearly impassible with seve | night of t | he 16th. Wi | despread p | 0 | , e |
| Osborne County 3 S Osborne | 29 | 2241CST | 0 | 0 | 0 | 0 | Hail (0.75) |
| Osborne County Downs | 29 | 2305CST | 0 | 0 | 0 | 0 | Hail (0.88) |
| Mitchell County Glen Elder | 29 | 2308CST | 0 | 0 | 0 | 0 | Hail (0.75) |
| Jewell County Mankato | 29 | 2312CST | 0 | 0 | 0 | 0 | Hail (0.75) |

| | | Time | Path | Path | Number | | Estimated | March 1998 |
|---|----------------------|--|--------------------|--|------------------------------|------------------------|--------------------------|---|
| Location | Date | Local/ Standard | Length (Miles) | Width (Yards) | Persons Killed I | s njured | Damage Property Crops | Character of Storm |
| KANSAS, Northeast | | | | | | | | |
| KSZ057 | | 0000CST 2359CST | rred along th | e Marais Des Cy | 0 ygnes River on t | 0 he 18th ai | nd 19th. | Flood |
| | Osawat Flood S | tomie, KS | | 8 ft 3/18 to 3/19 Estimated 29.0 |) ft on 3/18 | | | |
| Miami County 3 NW Paola | 27 Nickel | 1859CS size hail was | | the public 3 mile | 0 es northwest of 1 | 0 Paola. | | Hail (0.88) |
| Atchison County 3 SE Muscotah | 30 The At | 1250CS tchsion Count | | fice reported on | 0 e inch diameter | 0 hail durin | ng a severe thunderste | Hail (1.00) form 3 miles southeast of Muscotah. |
| Leavenworth County Basehor to Lansing | | | r ported golfba | | 0 ng a severe thun | 0 derstorm | in Basehor. Elsewhe | Hail (1.75) re, Lansing Police reported dime-siz |
| KANSAS, Northwest KSZ003>004-015>016- 029 | | ring the same ur - Norton | | | Gove | | | |
| 022 | 07 08 Snowfa | 0600CS7 0600CS7 all of 5 to 10 i | ſ | panied by winds | 0 s 30-40 mph wh | 0 ipped up o | drifts 6 to 8 feet. | Winter Storm |
| KSZ041>042 | 18 19 | ey - Wichita 1800CS7 0600CS7 all of 5 to 7 in | r r | ompanied by wi | 0 ands 15 to 25 mp | 0 oh. The he | eaviest snow was ove | Winter Storm |
| Sherman County 10 S Goodland | 26 | 1837MS | | | 0 | 0 | | Hail (0.88) |
| Wallace County Weskan | 26 Hail uj | 1852MS | | hes deep. | 0 | 0 | | Hail (0.75) |
| Wallace County 13 SSW Sharon Spgs | 26 Dime l | 1910MS hail also report | | Sharon Springs | 0 at 1903 MST. | 0 | | Hail (0.75) |
| Thomas County 2 S Colby | 26 Power | 2000CS7 | | r pivot irrigation | 0 n rigs destroyed. | 0 | 100K | Thunderstorm Wind |
| Thomas County Colby | 26 Amate | 2051CS ur radio spott | | | 0 | 0 | | Hail (0.88) |
| Sheridan County 1 SW Selden | 26 | 2130CST | • | | 0 | 0 | | Hail (0.88) |
| Wichita County 13 N Leoti | 26 Hail co | 2142CS ombined with | | vindows. | 0 | 0 | 1K | Hail (0.75) |
| Logan County 9 NE Russell Spgs | 26 Hail ac | 2145CST ccompanied b | | er than 60 mph. | 0 | 0 | | Hail (0.88) |
| Gove County 9 WSW Grinnell | 26 | 2215CST | ſ | | 0 | 0 | | Hail (0.88) |

| | _ | | | | | - | | N 1 1000 |
|---|--|---|--|--|---|---|--|---|
| | | Time Local/ | Path Length | Path Width | Number Person | | Estimated Damage | March 1998 |
| Location | Date | Standard | (Miles) | (Yards) | Killed 1 | injured | Property Crops | Character of Storm |
| KANSAS, Northwest | TT-11 | | (0.70 | | | | | |
| Sheridan County | Hail aco | companied b | y 60-70 mph | winds. | | | | |
| 8 SE Tasco | 26 | 2230CST | Г | | 0 | 0 | | Hail (0.75) |
| Gove County | 26 | 2330CST | r. | | 0 | 0 | | H-3 (1 00) |
| 14 SE Gove KANSAS, Southeast | 20 | 2550C51 | L | | U | U | | Hail (1.00) |
| KSZ032>033-047>053- | Russel | l - Lincoln | - Barton - | Ellsworth - S | aline - Rice - | Mcphe | erson - Marion - C | hase - Reno - Harvey - Butler - |
| 067>069-082 | Kingm | an | | | | _ | | - |
| | 07 08 | 1700CST 1000CST | | | 0 | 0 | | Blizzard |
| | intensifi highway | essure positio ed, 6-8 inch ys were close | oned over the snowfalls co ed for 2-3 day | mbined with gu | sty northeast wi alls around 3 ind | nds of 4 | 0-50 mph to whip up | d River on the 7th & 8th. As the low 7-10 foot drifts. Most businesses and ingman and Harvey counties but with |
| KSZ032>033-047>050- 067-091 | • • | | - | | aline - Rice - | Reno - | Harper | |
| | 16 17 | 2000CST 1000CST | | | 0 | 0 | 1 M | Ice Storm |
| | upslope South-C Central poles res | that, when c central Kansa Kansas with sulted includ | combined with as. The freez the greater a ing a 300-foo | th strong 850-m ting rain combi ccumulation act of radio tower th | b warm advecti ned with northe oss Russell and at toppled over | on, prod ast wind Barton d in northe | luced widespread free ds of 20-30 mph to p counties. Extensive da ern Russell County. | trong, sub-freezing northeast surface zing rain across Central and parts of roduce 1/2-1 inch of glazing across mage to trees, power lines and power |
| KSZ051>052-067>070- | | | rion - Reno |) - Harvey - E | Sutler - Green | wood - | · Kingman - Sedgv | vick - Harper - Sumner - |
| 082>083-091>093 | Cowley 19 | y 0600CS1 | Г | | 0 | 0 | | Heavy Snow |
| Ellsworth County | 19th. As Kansas | s the low lift with locally | ed northeast heavier amo | across Oklahor | na and Missouri oot in parts of S | it inten | sified, spreading 6-10 | Panhandle early on the morning of the inch snowfalls across South-Central d Butler counties. This was the worst |
| 2 SE Black Wolf | 29 | 1945CST | Г | | 0 | 0 | | Hail (0.75) |
| Lincoln County 2 NE Westfall | 29 | 1955CST | Г | | 0 | 0 | | Hail (0.88) |
| Barton County Albert | 29 | 2315CST | r | | 0 | 0 | | Hail (1.00) |
| Russell County 9 S Russell | 29 | 2325CST | r | | 0 | 0 | | Hail (0.75) |
| Lincoln County | | 2020001 | | | Ū | Ū | | |
| Vesper | 30 | 0004CS1 | Г | | 0 | 0 | | Hail (0.75) |
| KSZ099 | Montg 31 | omery 0812CST 0815CST | | | 0 | 0 | 100K | High Wind (G65) |
| | High w | | | the roof off a rea | staurant in Coffe | eyville. | | |
| KANSAS, Southwest | T | | . | NDI | TT 1 1/ | • 7 | | |
| KSZ030>031-043>046- 061>066-074>081- | | | | | | | | man - Pawnee - Stafford - Stevens - Seward - Meade - |
| 084>090 | Clark | - Comanch | e - Barber | • | | | | |
| | 07 08 | 1346CST 0300CST | | | 0 | 0 | | Blizzard |
| | Blizzard causing 6 inches | l conditions zero or near | occurred acr zero visibilit | ties. Final snow | fall totals ranged | d from 3 | to 4 inches in Finney | reral hours with 30 to 40 mph winds Seward and Comanche counties to rd counties. Drifts were as high as 8 |
| KSZ044-061-063 | | Hamilton | | | | ~ | | |
| | 11 Extreme | 0600CST ely cold temp | | urred with gusty | 0 winds. Temper | 0 atures fe | ell to 2 degrees at Digh | Extreme Cold aton6 degrees at Garden City with a |

| | | Time | Path | Path | Number | of | Estimated | | March 1998 |
|--|---|---|--|---|--|---|---|---|--|
| Location | Date | Local/ Standard | Length (Miles) | Width (Yards) | Person | | Damage Property Crops | Character of Storm | |
| KANSAS, Southwest | | | | | | | | | |
| KSZ030-030>031-031- 043-043>044-044>045- 045>046-046-061>063- 063>064-064>065- 065>066-066-074>076- 076>077-077>078- 078>080-080>081-081- 084>087 | Trego | - Ellis - Sc | ott - Lane - · Haskell - (| | Hamilton - | Kearny | y - Finney - Hodge Pratt - Morton - S 1.2M | | |
| KSZ030>031-043>046- 061>066-074>081- | 17 Ice stor such as falling fell dow in some Trego | 0253CST rm occurred v radio towers completely th vn with a repo e places. A U - Ellis - Sco | r vith anywhere . Every radio irough a cab orted 6 inches SDA weather ott - Lane - | station in the are of a pickup. For s of ice accumula related disaster Ness - Rush | of ice accumula ea had damage tunatelyno or ation. 1450 pow was declared. • Hamilton - | tion on r due to th ne was in ver poles Kearny | roadways to several in ne ice accumulation. T nside at the time. KRI a came down across th y - Finney - Hodge | ches of ice accumula here was one report PH's 800 foot radio to e area. Power was ou man - Pawnee - S | of a chunk of ice ower completely at for 4 to 6 days |
| 084>087 | 5tanto 16 | 1300CST | | Gray - Foru - | Euwarus - F | o o | Pratt - Morton - S | Ice Storm | - Meade |
| | 17 Ice stor Every r chunk o tower c as long | 0230CS7 rm occurred v radio station i of ice falling completely fel | F with anywhere in the area ha completely t l down with some places. | ad damage due t hrough the cab | o the ice accur of a pickup. Fe es of accumula | tion on r nulation ortunatel tion. 14 | roadways to several ir and ice falling off th lyno one was inside 50 power poles came as declared. Over 65 | tches of ice accumula e towers. There wa at the time. KRPH down across the area | s one report of a 's 800 foot radio . Power was out |
| KSZ030>031-043>046- | | | | | | | y - Finney - Hodge | | |
| 061>066-074>081- 084>090 | | on - Grant - Comanch | | Gray - Ford - | Edwards - F | lowa - | Pratt - Morton - S | Stevens - Seward | - Meade - |
| | countie Stafford | s6 to d | Г mulations ran 8 inches FordGray | in PrattEdv FinneyGran | vardsHodgen tMortonSev | nan an ward | Ness counties4 to 6 nd Hamilton cou Meadeand Clark ificant drifting of the | ntiesand 8 to1 counties. 20 to | 2 inches in |
| Morton County 5 NNE Elkhart | 26 | 2220CST | Г | | 0 | 0 | C C | Hail (1.00) | |
| Stanton County 1 N Big Bow | 26 | 2220CST | ſ | | 0 | 0 | | Hail (1.75) | |
| Grant County 9 NW Ulysses | 26 | 2230CST | ſ | | 0 | 0 | | Hail (1.00) | |
| Kearny County 3 W Lakin | 26 | 2237CST | ſ | | 0 | 0 | | Hail (0.75) | |
| Finney County 9 SW Friend | 26 | 2300CST | ſ | | 0 | 0 | | Hail (0.75) | |
| Scott County 4 SW Grigston | 26 | 2315CST | Г | | 0 | 0 | | Hail (1.00) | |
| Scott County 4 SW Grigston | 26 4 to 6 i | 2315CST | | n. | 0 | 0 | | Thunderstorm | Wind (G55) |
| Lane County 1 SW Healy | 26 | 2325CST | | | 0 | 0 | | Hail (1.00) | |
| KSZ077 | Gray 26 | 2330CST 2355CST | r r | | 0 | 0 | d through A sprinkla | High Wind (G | 75) |

County experienced strong winds behind a line of showers that moved through. A sprinkler rrigation system was overturned. A shed...fence...tree limbs and power lines were blown down. In addition...a cover was blown off a hot tub.

| | Storm Data and Unusual Weather Phenomena | | | | | | | | | | | |
|------------------------------------|--|------------------------------|-------------------|-------------------|------------------|--------------|--------------------------|--------------------|-------------|--|--|--|
| | | Time | Path | Path | Number | | Estimated | | March 1998 | | | |
| Location | Date | Local/ Standard | Length (Miles) | Width (Yards) | Person Killed | s Injured | Damage Property Crops | Character of Storm | | | | |
| KANSAS, Southwest | | | | | | | | | | | | |
| Rush County 14 WSW La Crosse | 29 | 2127CST | | | 0 | 0 | | Hail (0.75) | | | | |
| Stafford County | 29 | | | | 0 | | | | | | | |
| 8 N Hudson Clark County | 29 | 2200CST | | | 0 | 0 | | Hail (1.00) | | | | |
| Minneola Ford County | 29 | 2218CST | | | 0 | 0 | | Hail (1.00) | | | | |
| 4 SW Ford | 29 | 2222CST | | | 0 | 0 | | Hail (0.75) | | | | |
| Ford County Ford | 29 | 2248CST | | | 0 | 0 | | Hail (1.00) | | | | |
| Edwards County | 29 | 2252CST | | | 0 | 0 | | H-9 (1 00) | | | | |
| Fellsburg Clark County | 29 | 2253CST | | | U | U | | Hail (1.00) | | | | |
| Minneola Deserves Coursets | 29 | 2254CST | | | 0 | 0 | | Hail (0.75) | | | | |
| Pawnee County Rozel | 29 | 2254CST | | | 0 | 0 | | Hail (0.75) | | | | |
| Meade County 7 SE Meade | 29 | 2255CST | | | 0 | 0 | | Hail (0.75) | | | | |
| Edwards County | | | | | | | | | | | | |
| Offerle Ford County | 29 | 2300CST | | | 0 | 0 | | Hail (1.00) | | | | |
| 3 S Ford | 29 | 2305CST | | | 0 | 0 | | Hail (0.75) | | | | |
| Rush County 1 NE Shaffer | 29 | 2310CST | | | 0 | 0 | | Hail (0.75) | | | | |
| Kiowa County Haviland | 29 | 2313CST | | | 0 | 0 | | Hail (0.88) | | | | |
| Rush County | • | | | | <u>^</u> | | | | | | | |
| Otis | 29 Dama | 2315CST ge occurred to ve | ehicles throug | shout the town. | 0 | 0 | 50K | Hail (1.25) | | | | |
| Comanche County 6 NW Coldwater | 29 | 2330CST | | | 0 | 0 | | Hail (1.00) | | | | |
| Edwards County | | | | | | | | Han (1.00) | | | | |
| 3 S Lewis Kiowa County | 29 | 2335CST | | | 0 | 0 | | Hail (1.00) | | | | |
| 7 S Greensburg | 29 | 2340CST | | | 0 | 0 | | Hail (0.88) | | | | |
| Stafford County 8 N Hudson | 29 | 2350CST | | | 0 | 0 | | Hail (1.00) | | | | |
| Stafford County Stafford | 29 | 2350CST | | | 0 | 0 | | Th | | | | |
| | | imbs blown dow | n and shingle | es blown off roof | | U | | Thunderstorm | willa (Gou) | | | |
| Clark County Englewood | 29 | 2356CST | | | 0 | 0 | | Hail (0.75) | | | | |
| Pratt County | | | | | 0 | | | | | | | |
| Byers Kiowa County | 30 | 0007CST | | | 0 | 0 | | Hail (0.75) | | | | |
| 1 W Haviland | 30 | 0015CST | | | 0 | 0 | | Hail (0.75) | | | | |
| Stafford County 11 SW St John | 30 | 0025CST | | | 0 | 0 | | Hail (0.75) | | | | |
| KSZ031 | Ellis 31 | 1700CST | | | 0 | 0 | 10K | High Wind | | | | |
| | Pieces | s of a roof blown | off of a scho | ol. | - | | | | | | | |
| KENTUCKY, Centra Simpson County | <u>1</u> | | | | | | | | | | | |
| Franklin | 08 Nieko | 1835EST | ad a | | 0 | 0 | | Hail (0.88) | | | | |
| | INICKE | l size hail report | eu. | | | | | | | | | |

| | | Time | Path | Path | Number | of | Estimated | March 199 |
|---------------------------------|--------------------|------------------------------------|-------------------|------------------|------------------------------|---------------|-----------------------------------|--|
| Location | Date | Local/ Standard | Length (Miles) | Width (Yards) | Person Killed | ıs Injured | Damage Property Crops | Character of Storm |
| KENTUCKY, Centr | al | | | | | | | |
| Allen County | | | | | | | | |
| Settle | 08 Nicke | 1925EST I size hail repo | | tter. | 0 | 0 | | Hail (0.88) |
| Allen County | | | | | | | | |
| Scottsville | 08 Dispa | 1925EST tch reported nie | | | 0 | 0 | | Hail (0.88) |
| KENTUCKY, Easte | <u>rn</u> | | | | | | | |
| | | E REPORTED | | | | | | |
| <u>KENTUCKY, North</u> | east | | | | | | | |
| KYZ101>103-105 | Gree 10 13 | nup - Carter 0600EST 0900EST | • | awrence | 0 | 0 | | Cold |
| | The co | oldest temperat ere common. | ures of the 9 | | | | | Kentucky. Afternoon readings in t vith 5 to 10 degrees in outlying run |
| KYZ101>103-105 | | nup - Carter 1200EST 2100EST | • | awrence | 0 | 0 | | Record Warmth |
| | | | | unusual 6 cons | secutive days. | Afternoo | n readings were in the | 80s. |
| KENTUCKY, North | 1 | J 1 | 6 | | j | | 8 | |
| | NON | E REPORTED | | | | | | |
| KENTUCKY, South | west | | | | | | | |
| KYZ008-012 | | hall - Trigg | | | | | | |
| 1112000 012 | 26 | 1030CST 1400CST | | | 0 | 0 | 20K | High Wind (G50) |
| | observ | ed. These stron | ng gusts blew | down some sig | gns and stop lig | hts. A fe | | ke region, gusts up to 58 MPH we n power lines. The strong winds we |
| KYZ004 | Balla | | | | | | | |
| | | olown down ne | n advance of | | | | | High Wind (G50) out 35 feet tall and 4 feet in diame e general area, bringing more stro |
| Ballard County | | | | | | | | |
| 2 E Wickliffe | 27 Thunc | 2245CST derstorm winds | | tree down acro | 0 oss power lines | 0 on High | 3K way 121. Some smalle | Thunderstorm Wind (G50) r trees were down. |
| LOUISIANA, North | <u>east</u> | | | | | | | |
| Richland Parish | | | | | | | | |
| Mangham | 05 Baseb | 2042CST all size hail da | | houses and aut | 0 omobiles. | 0 | 250K | Hail (2.75) |
| Richland Parish 5 W Alto | 05 Baseb | 2045CST all size hail da | | s and automobi | 0 les. | 0 | 100K | Hail (2.75) |
| Richland Parish 4 SW Mangham | 05 Strong | 2054CST g wind damage | | f several houses | 0 s. One out build | 0 ing was | 50K destroyed and an anter | Thunderstorm Wind |
| Franklin Parish Baskin | 05 | 2104CST | | ofs of houses a | 0 | 0 | 100K | Hail (2.75) |
| Franklin Parish Winnsboro | 05 | 2120CST | | | 0 | 0 | 80K | Thunderstorm Wind |
| Morehouse Parish | | - | - | eu. A mobile ho | | | oundation. Many trees | and power lines were blown down. |
| Bonita | 07 | 0110CST | | | 0 | 0 | | Hail (1.00) |

| | | Time | Path | Path | Number | of | Estimated | March 1998 | |
|--|---------------------|----------------------------|-------------------|------------------|-------------------------------|---------------|--------------------------|-------------------------------------|--------------------|
| Location | Date | Local/ Standard | Length (Miles) | Width (Yards) | Person | | Damage Property Crops | Character of Storm | |
| LOUISIANA, Northe | ast | | | | | | | | |
| Catahoula Parish Harrisonburg | 07 | 0605CST | | | 0 | 0 | | Hail (1.75) | |
| East Carroll Parish Lake Providence | 07 | 0715CST | horecond | | 0 | 0 | 25K | Thunderstorm | Wind |
| Catahoula Parish | | - | e damaged a | and numerous tr | | | | | |
| Jonesville | 07 Severa | 1148CST al houses and a | utomobiles | were damaged b | 0 by baseball hail. | 0 | 100K | Hail (2.75) | |
| Concordia Parish 5 SW Ferriday to 5 S Ferriday | 07 | 1610CST | | | 0 | 0 | | Hail (1.75) | |
| LAZ016 | Madi 16 Sever | 2230CST | maged and | l power lines we | 0 re blown down | 0 | 5K | High Wind | |
| LOUISIANA, Northw | | | inaged and | r power lines we | ie blown down. | | | | |
| Union Parish Downsville | 05 | 1930CST | | | 0 | 0 | | Hail (0.75) | |
| | | id totally covere | ed. | | U | U | | Hall (0.75) | |
| Union Parish Downsville | 05 | 1930CST | | | 0 | 0 | | Hail (0.75) | |
| Union Parish Downsville | 05 | 1930CST | | | 0 | 0 | | Hail (1.75) | |
| Ouachita Parish Calhoun | 05 | 1935CST | | | 0 | 0 | | Hail (0.75) | |
| Union Parish | | | | | | | | | |
| 4 SE Downsville Ouachita Parish | 05 | 1939CST | | | 0 | 0 | | Hail (1.75) | |
| 3 NE Calhoun | 05 | 1946CST | | | 0 | 0 | | Hail (0.75) | |
| Lincoln Parish Choudrant | 05 | 1950CST | | | 0 | 0 | | Hail (0.75) | |
| Ouachita Parish West Monroe | 05 | 1956CST | | | 0 | 0 | | Hail (0.75) | |
| Union Parish Downsville | 05 | 1935CST | | | 0 | 0 | | Hail (1.75) | |
| Ouachita Parish Calhoun | 05 | 1935CST | | | 0 | 0 | | Hail (0.75) | |
| Union Parish | 05 | 1939CST | | | 0 | 0 | | | |
| 4 SE Downsville Ouachita Parish | | | | | | | | Hail (1.75) | |
| 3 NE Calhoun Lincoln Parish | 05 | 1946CST | | | 0 | 0 | | Hail (0.75) | |
| Choudrant Ouachita Parish | 05 | 1950CST | | | 0 | 0 | | Hail (0.75) | |
| West Monroe Ouachita Parish | 05 | 1956CST | | | 0 | 0 | | Hail (0.75) | |
| West Monroe | 05 | 2002CST | | | 0 | 0 | | Hail (2.00) | |
| Ouachita Parish 4 SE Calhoun | 05 | 2015CST | | | 0 | 0 | | Hail (0.75) | |
| Natchitoches Parish Provencal | 06 | 1850CST | | | 0 | 0 | | Hail (1.00) | |
| Ouachita Parish 5 SE Monroe | 07 | 0115CST | | | 0 | 0 | | Hail (0.75) | |
| La Salle Parish Rogers | 07 Hail n | 0535CST neasured 7.75 i | nches by 9 | inches measure | 0 1 with a cloth ta | 0 pe in ci | rcumference. This wo | Hail (2.75) uld make the hailsto | ne slightly larger |

Hail measured 7.75 inches by 9 inches measured with a cloth tape in circumference. This would make the hailstone slightly larger than baseball size.

| | | Time Local/ | Path Length | Path Width | Number of Persons | | Estimated Damage | | March 1998 | |
|-------------------------------------|--------------------|---|----------------|------------------|----------------------------|----------------|--------------------------|--------------------------------|------------|--|
| Location | Dete | | Is Injured | Property Crops | Character of Storm | | | | | |
| OUISIANA, North | west | | | | | | | | | |
| La Salle Parish | 07 | 0 5 40.00T | | | 0 | 0 | | | | |
| Nebo La Salle Parish | 07 | 0540CST | | | 0 | 0 | | Hail (2.75) | | |
| 1 E Jena La Salle Parish | 07 | 0550CST | | | 0 | 0 | | Hail (2.75) | | |
| Olla Sabine Parish | 07 | 0715CST | | | 0 | 0 | | Hail (0.75) | | |
| Negreet | 07 | 0920CST | | | 0 | 0 | | Hail (1.00) | | |
| De Soto Parish Mansfield | 07 | 0955CST | | | 0 | 0 | | Hail (0.75) | | |
| Caddo Parish Shreveport | from | 071300CST11LightningA Ruston, LA woman was killed and her husband seriously injured when lightning stuck the couple as they were pulling auto particles from a salvage yard. The woman was killed instantly when lightning hit the umbrella she was holding.F30OU | | | | | | | | |
| Sabine Parish 5 NE Many | 07 | 1753CST | | | 0 | 0 | | Hail (1.75) | | |
| Caddo Parish Shreveport | 31 | 0114CST | | | 0 | 0 | | Hail (1.00) | | |
| Caddo Parish Shreveport | 31 | 0117CST | | | 0 | 0 | | Hail (1.00) | | |
| LOUISIANA, South | <u>east</u> | | | | | | | | | |
| St. Charles Parish Des Allemands | 06 Small | 1300CST er size hail was | reported at o | ther locations a | 0 round the paris | 0 h. Half i | nch hail fell in Luling. | Hail (1.75) | | |
| St. Charles Parish Destrehan | 06 | 1315CST | | | 0 | 0 | | Hail (0.88) | | |
| Terrebonne Parish 4 NNE Houma | 06 | 1513CST | | | 0 | 0 | | Hail (0.75) | | |
| | Fire d | epartment perso | nnel near Ba | you Blue repor | ted large hail. | n additic | on heavy rain of 2.5 in | ches fell in 1 to 2 ho | urs. | |
| Tangipahoa Parish 4 E Kentwood | 07 | 0445CST | | | 0 | 0 | | Hail (1.00) | | |
| Iberville Parish Samtown | 07 | 0455CST | | | 0 | 0 | | Hail (1.75) | | |
| Iberville Parish White Castle | 07 Golfb | 0500CST all size hail fell 1 | for 15 minut | es damaging 15 | 0 vehicles, 2 ho | 0 use roofs | s and breaking several | Hail (1.75) windows of another | house. | |
| Jefferson Parish Gretna | 07 Heave | 0600CST 1200CST | chas caused | flooding that c | 0 | 0 | dways stopping traffic | Urban/Sml Str | eam Fld | |
| Jefferson Parish Metairie | 07 | 0600CST | ienes caused | | 0 | 0 | uways stopping traine | Urban/Sml Sti | eam Fld | |
| | | 1200CST y rain caused sev | eral maior r | padways to floo | | | | | | |
| St. Tammany Parish Mandeville | 07 | 0600CST | | | 0 | 0 | | Urban/Sml Str | eam Fld | |
| | Exten | 1200CST sive street floodi | ing resulted | from heavy rair | with water ge | tting into | several houses. | | | |
| Orleans Parish New Orleans | 07 | 0830CST | 5 | | 0 | 0 | | Urban/Sml Str | eam Fld | |
| | | 1100CST y rain produced of | extensive str | eet flooding. | - | - | | | | |

| | | Time Local/ | Path Length | Path | Number | | Estimated | March 1998 |
|---------------------------------------|---------------------------|--|--|-------------------|------------------------------------|-------------------------|--|---|
| Location | Date | Local/ Standard | Length (Miles) | Width (Yards) | | 1s Injured | Damage Property Crops | Character of Storm |
| LOUISIANA, Southea | <u>ast</u> | | | | | | | |
| St. John The Baptist Parish | | | | | | | | |
| Reserve | 07 | 0830CST | | | 0 | 0 | | Urban/Sml Stream Fld |
| | - | 1100CST rain of approses around the p | oximately 5 i | nches in 90 mi | inutes caused of | extensive | street flooding with | water reported in some houses and |
| St. Bernard Parish Chalmette | 07 | 1200CST | [| | 0 | 0 | | Urban/Sml Stream Fld |
| | Heavy | 1800CST rain of 2 to 3. | | hours caused se | everal major roa | adways to | o flood stopping traffic | с. |
| St. Tammany Parish Countywide | 07 08 | 1700CST 0100CST | | | 0 | 0 | | Urban/Sml Stream Fld |
| | Heavy in man and th | v rainfall of 3 to ny communitie ne first floor of | o 5 inches oc s, and caused building nea | l small streams | to go out of th flooded. In Sli | eir banks dell, a fe | . Near the Bogue Fals w homes had minor f | sulting in considerable street flooding aya River several autos were flooded looding. Near Abita Springs, several |
| St. Tammany Parish Lacombe | 07 | 1720CST | [| | 0 | 0 | | Hail (0.88) |
| Assumption Parish Napoleonville | 07 Quarte | 1810CST | | nield of a Louisi | 0 ana State High | 0 way Patro | 0.30K | Hail (1.00) |
| St. John The Baptist Parish | Quart | | ke the windsi | | and State High | way I and | Ji cui. | |
| Reserve | house | s, downed pow | estimated at ver lines, a tr | | six 1000 pour | | | Thunderstorm Wind nd businesses, toppled trees onto two les were snapped, a party barge was |
| St. Tammany Parish 10 S Mandeville | 07 | 1945CST 2000CST | | | 0 | 0 | | Hail (1.75) |
| | | | - | over the middle | part of the Lake | e Pontcha | rtrain Causeway. | |
| LAZ038-040 | Tang 08 09 | ipahoa - St. 0000CST 1800CST | Г | | 0 | 0 | | Flood |
| | statior | ns along the Ta | ungiphoa, Tcl | | ogue Falaya Ri | ivers exce | eeded flood stage by | in several rivers. Several gaged rive 1 to 3 feet for a short period of time |
| East Baton Rouge Parish | | | | | | | | |
| Baton Rouge East Feliciana Parish | 16 | 2000CST | [| | 0 | 0 | 0.20K | Thunderstorm Wind |
| Clinton St. Helena Parish | 16 | 2100CST | ſ | | 0 | 0 | 0.50K | Thunderstorm Wind |
| Greensburg | | | is downed tr | | | | | Thunderstorm Wind Louisiana. Downed trees temporarily n down in Baton Rouge. |
| LOUISIANA, Southw | <u>est</u> | | | | | | | |
| Lafayette Parish Lafayette | 06 | 1225CST | [| | 0 | 0 | | Hail (0.75) |
| Jefferson Davis Parish Lake Arthur | 06 | 1240CST | [| | 0 | 0 | | Hail (1.00) |
| Lafayette Parish Lafayette | 06 | 1245CST | 2 | | 0 | 0 | | Hail (0.75) |
| Vermilion Parish Gueydan | 06 | 1300CST | | | 0 | 0 | 500K | Tstm Wind/Hail |

73

| | | Time Local/ | Path Length | Path Width | Numb Pers | | Estimated Damage | | March 1998 |
|---------------------------------------|---------------------|-------------------------------------|----------------|------------------------------------|---|--------------------------|--------------------------------|--|-------------------|
| Location | Date | Standard | (Miles) | (Yards) | Killed | Injured | Property Crops | Character of Storm | |
| LOUISIANA, South | | baseballs dam | aned several | homes and veh | icles At one | house a' | \mathbf{X} niece of lumbe | r flew through the air | and impacted th |
| | roof. S blown | everal homes l off its pillars b | had vinyl sid | ling destroyed Several barns ar | by the hail the double of the hail the | nat was blo were dama | own horizontally by | the severe winds. An The Police Jury barn u | nother home wa |
| | machir | nery was destro | yed, strewin | g metal roofing | across the ya | rd. | | | |
| St. Martin Parish Parks | 06 | 1325CST | | | 0 | 0 | | Hail (1.75) | |
| Vermilion Parish 2 W Abbeville | 06 | 1350CST | | | 0 | 0 | | Hail (1.75) | |
| Cameron Parish Grand Chenier | 07 | 0330CST | | | 0 | 0 | | Hail (1.25) | |
| Vermilion Parish Abbeville | 07 | 0335CST | | | 0 | 0 | | Hail (1.00) | |
| Allen Parish Oakdale | 07 | 0425CST | | | 0 | 0 | | Hail (1.75) | |
| Vermilion Parish Intracoastal City | 07 | 0445CST | | | 0 | 0 | | Hail (1.75) | |
| Acadia Parish Mermantau | 07 | 0500CST | | | 0 | 0 | | Hail (0.75) | |
| Rapides Parish Lecompte | 07 | 0510CST | | | 0 | 0 | | Hail (2.75) | |
| Iberia Parish 5 W New Iberia | 07 | 0545CST | | | 0 | 0 | | Hail (0.75) | |
| Calcasieu Parish Vinton | 07 | 0630CST | | | 0 | 0 | | Hail (0.75) | |
| Calcasieu Parish 5 S Sulphur | 07 | 0700CST | | | 0 | 0 | | Hail (0.75) | |
| Beauregard Parish 7 NW Dry Creek | 07 | 1350CST | | | 0 | 0 | | Hail (0.75) | |
| Allen Parish Grant | 07 | 1400CST | | | 0 | 0 | | Hail (0.75) | |
| Beauregard Parish De Ridder | 07 | 1457CST | | | 0 | 0 | | Hail (1.50) | |
| Rapides Parish Pineville | 07 | 1500CST | | | 0 | 0 | | Hail (0.75) | |
| Vernon Parish 1 S Rosepine | 07 | 1505CST | | | 0 | 0 | | Hail (1.25) | |
| Vernon Parish Ft Polk | 07 | 1847CST | | | 0 | 0 | | Hail (0.75) | |
| Calcasieu Parish 8 N Sulphur | 16 Severa | 1400CST l trees were blo | own down or | Houston River | 0 Road. | 0 | 10K | Thunderstorm | ı Wind |
| Beauregard Parish Ragley | 16 A few | 1415CST trees and powe | r lines were | blown down. | 0 | 0 | 5K | Thunderstorn | Wind |
| Acadia Parish Mire | 16 Severe | 1750CST downburst wi | inds destroy | ed two mobile | | | 200K ged two other mol | Thunderstorn bile homes and a lou | |
| Iberia Parish | uamag | eu another two | moone nom | es and two sing | ie ranniy stru | ictures. | | | |
| New Iberia | 16 A bolt | 1840CST of lightning ca | me through t | the chimney and | 0 I broke throu | 0 oh the ceili | 5K ing Two people we | Lightning re in the living room v | vatching ty at th |

A bolt of lightning came through the chimney and broke through the ceiling. Two people were in the living room watching tv at the time. They thought it looked like a shotgun flash. The lightning burned a large hole in the ceiling and broke some of the molding where it hit. It also tore sheet rock off the wall and shattered a floor tile.

| | | Time Local/ | Path Length | Path Width | Number Persor | | Estimated | | March 1998 |
|--|--|--|--|---|---|---|--|---|---|
| Location | Date | Local/ Standard | Length (Miles) | (Yards) | | is Injured | Damage Property Crops | Character of Storm | |
| MAINE | | | | | | | | | |
| Hancock County Countywide | 09 10 | 2200EST 1300EST | | | 0 | 0 | | Flood | |
| Penobscot County Countywide | 09 10 | 2200EST 1300EST | | | 0 | 0 | | Flood | |
| Piscataquis County Countywide | 09 10 | 2200EST 1300EST | | | 0 | 0 | | Flood | |
| Waldo County Countywide | 09 10 | 2200EST 1300EST | | | 0 | 0 | | Flood | |
| Washington County Countywide | Englar floodii | nd. Two to thr | ee inches of ams in sout | f rain fell over heastern Maine. | much of easter Streams were | n Maine reported | vrence Valley brought . The heavy rains cc 1 to have flooded and | ombined with snown for washed out road | nelt to cause the |
| MEZ003>004- 007>010-012>016- 020>030 | North South Interi | nern Somerse nern Piscataq ior Hancock | et - Northe Juis - South - Androsce | rn Piscataqu hern Oxford oggin - Kenn | is - Northern - Southern F ebec - Interio | i Oxfor ranklin or Wald | th, Surry, Deer Isle, au d - Northern Fran a - Southern Somer lo - Coastal York - ock - Coastal Wasl | klin - Central So set - Southern P Coastal Cumbe | enobscot - rland - |
| MEZ005>006-011- 017>019 | North Interi 14 15 An int Maine extrem | nern Penobsc ior Cumberla 1100EST 0700EST ense area of lor . Elsewhere in | w pressure a southern an ne to more t | noving eastwar d central Maine han 8 inches in | 0 d from the Gre , a moderate sr parts of eastern | 0 eat Lakes nowfall o n Maine. | cot - Interior Wash brought heavy snow occurred. Snowfall an Some locations in ea | Heavy Snow to parts of southwe nounts ranged from | stern and eastern an inch or less in |
| MEZ001>009 | North Penol 21 | west Aroosto bscot - South 1900EST | ook - Nort | heast Aroost | ook - Northe | rn Som | erset - Northern P ern Franklin - Cen | - | |
| MEZ010>022-029>030 | South | nern Penobsc | ot - Interi | or Hancock - | Interior Wa | shingto | - Southern Frank n - Interior York - k - Coastal Washin | Interior Cumbe | |
| | precip | itation along the | e immediate | coast. Snowfa | ll amounts gene | erally rar | ast brought heavy sm nged from 6 to 10 state County fro the storm. | | |
| MEZ007>030 | North South Interi Coast Coast 27 | nern Oxford nern Oxford ior Washingt tal York - Co tal Washingto 1200EST | - Northern - Southern on - Interi astal Cum | n Franklin - (1 Franklin - S 1 or York - Int | Central Some outhern Som terior Cumbe | erset - S nerset - erland - | Southern Piscataqu Southern Penobsc - Androscoggin - K Knox - Coastal W | ot - Interior Han Cennebec - Interi | icock - or Waldo - ancock - |
| | the las being March | t five days of the set on the 27th | he month. 1 (74), 28th than record t | In Portland, fou (75), and 31st (temperature for | r of the last fiv 88). The high Portland for the | e days w tempera | r near-record warmth vere above 70 degrees ture of 88 on the 31s April. A cold front dr | with daily record h t set a new record | igh temperatures for the month of |

| Location | | Time Local/ | Path Lonoth | Path | Numbe | | Estima | | | March 199 |
|----------------------------------|---|---|---|--|--|--|--|---|--|--|
| | Date | Local/ Standard | Length (Miles) | Width (Yards) | Person Killed | ns Injured | Dama Property | ge Crops | Character of Storm | |
| MAINE | | | | | | | | | | |
| MEZ014-020>021 | South 30 31 | ern Somerse 0100EST 2359EST | t - Andros | scoggin - Ken | nebec 0 | 0 | | | Flood | |
| Franklin County Countywide | 31 M39IV | 0200EST 2359EST W | | | 1 | 0 | | | Flood | |
| Oxford County Countywide | 31 | 0200EST 2359EST | | | 0 | 0 | | | Flood | |
| | Andro Frankl flow o | y melting snov scoggin Rivers in County when n the 30th and | and their tri a 39-year o reached flo | butaries. Many old man drove hi | roads were cle s truck onto a usta on the 31 | osed due flooded R st. The A | to the floodir Route 27. The Androscoggin | ng. One Kennebe n River a | the flooding on the drowning death occ ec River at Skowheg t Auburn reached fl oding continued. | urred in norther |
| Franklin County | | | | | | | | | | |
| Farmington | 0 | t fire to power of | U | • | U | | | 0 | Lightning caught fire. Lightni d/New Sharon area | 0 0 |
| MARYLAND, Centra | <u>ıl</u> | | | | | | | | | |
| MDZ004-007 | Frede 03 | erick - Harfor 0200EST 1300EST | :d | | 0 | 0 | | | Snow | |
| MDZ005>006 | Carro 03 | oll - Northerr 0700EST | Baltimor | ·e | 0 | 0 | | | Winter Storm | |
| | | | | | | | | | | |
| | the nor above inches Isolate along t | thern tier of M mean sea level d areas in Carr the Catoctin Ric | aryland dur) received b oll Co (MD lge (separat | ing the morning etween 4 and 6 Z005) received ing northwest M | of the 3rd. A inches (MDZ 7 to 8 inches. DZ004 and no | ccumulat 005>006) Surrour ortheast M | ions varied v) while lower nding countie MDZ003) rec | vith eleva terrain i es receive eived up | th of moderate to h tion; in general hill n the same countie ed around 2 inches, to eight inches. Ef | y areas (500 fe s received 1 to though locatio fects on resider |
| | the nor above inches Isolate along t were li | ng upper-level of rthern tier of M mean sea level d areas in Carr the Catoctin Ric | aryland dur) received b oll Co (MD lge (separat | ing the morning etween 4 and 6 Z005) received ing northwest M | of the 3rd. A inches (MDZ 7 to 8 inches. DZ004 and no | ccumulat 005>006) Surrour ortheast M | ions varied v) while lower nding countie MDZ003) rec | vith eleva terrain i es receive eived up | ation; in general hill n the same countie ed around 2 inches, | y areas (500 fe s received 1 to though locatio fects on resider |
| Charles County West Portion | the nor above inches Isolate along t were li | ng upper-level of trhern tier of M mean sea level d areas in Carr the Catoctin Rio imited; school v es occurred. 0400EST | aryland dur) received b oll Co (MD lge (separat | ing the morning etween 4 and 6 Z005) received ing northwest M | of the 3rd. A inches (MDZ 7 to 8 inches. DZ004 and no | ccumulat 005>006) Surrour ortheast M | ions varied v) while lower nding countie MDZ003) rec | vith eleva terrain i es receive eived up | ation; in general hill in the same countie ed around 2 inches, to eight inches. Ef | y areas (500 fe s received 1 to though locatio fects on residen |
| | the nor above inches Isolate along t were li fataliti | ng upper-level of rthern tier of M mean sea level d areas in Carr the Catoctin Rio imited; school v es occurred. | aryland dur) received b oll Co (MD lge (separat | ing the morning etween 4 and 6 Z005) received ing northwest M | of the 3rd. A inches (MDZ 7 to 8 inches. DZ004 and no Carroll Co. t | ccumulat 005>006) Surrour ortheast M here were | ions varied v) while lower nding countie MDZ003) rec | vith eleva terrain i es receive eived up | ation; in general hill n the same countie ed around 2 inches, to eight inches. Ef comobile accidents, | y areas (500 fe s received 1 to though locatio fects on residen |
| West Portion Anne Arundel County | the nor above inches Isolate along t were li fataliti | ng upper-level of trhern tier of M mean sea level d areas in Carr the Catoctin Rio imited; school v es occurred. 0400EST 0900EST 0500EST | aryland dur) received b oll Co (MD lge (separat | ing the morning etween 4 and 6 Z005) received ing northwest M | of the 3rd. A inches (MDZ 7 to 8 inches. DZ004 and no Carroll Co. t 0 | ccumulat 005>006; Surrour ortheast M here were | ions varied v) while lower nding countie MDZ003) rec | vith eleva terrain i es receive eived up | ation; in general hill n the same countie ed around 2 inches, to eight inches. Ef comobile accidents, Flash Flood | y areas (500 fe s received 1 to though locatio fects on resider |

A thin band of showers and thunderstorms with torrential rains moved across the eastern and southern suburbs of Washington, weakening as it moved north into the western suburbs of Baltimore. Observed rainfall of 1 1/2 to 2 inches in two hours, with radar estimates of over 2 1/2 inches, produced flash flooding that brought the Monday morning commute to a standstill over the eastern suburbs.

Six roads were closed in Charles Co; an additional 5 roads had high standing water covering them. Along the Prince George's/Anne Arundel Co line, a bus overturned on Brock Bridge Road where the Little Patuxent River overspilled its banks. There were no injuries; all passengers, including 23 children, were evacuated. Other incidents included a temporary road closure at the intersection of federal highway 50 and Kenilworth Avenue (Prince George's Co) due to high standing water; in Landover, early morning

| | | Time Local/ | Path Length | Path | Number | | Estimated | | | March 1998 |
|--|--|--|--|--|---|---|---|---|--|---|
| Location | Date | Local/ Standard | Length (Miles) | Width (Yards) | Person Killed I | s njured | Damage Property (| | Character of Storm | |
| MARYLAND, Centr | <u>al</u> | | | | | | | | | |
| | | | | • | lue to water rus Sunnyside Road | - | oss the tracks. | Other | closures included | Tuxedo Road in |
| | | • | | | ver overspilled | | ot coveral rura | llocatio | ne | |
| | in sout | | in co, the up | per i atapseo Ri | ver overspined | its ballks | s at several fula | i iocatio | | |
| MDZ002>007- 009>011-013>014- 016>018 | | | | | roll - Northei nne Arundel | | | | fontgomery - H alvert | oward - |
| | 11 13 | 0700EST 0700EST | | | 0 | 0 | | 17.5K | Unseasonably | Cold |
| | A serie the hee plain. decreas | es of cold fron els of a mild ar The combinat | ts ushered in ad wet Februa ion of mild a ace of fruit tr | ary, may have c and moist cond ees to the hard | aused some dan itions earlier in | nage to j the win | peach crops in l ter not only lea | Maryland d to acce | e unseasonably col d orchards, especia elerated bud growt ge, early blooming | lly on the coasta h, but may have |
| | Minim and 12 | um temperatur | res on the 11 areas (mainl | th and 12th ave | raged in the upp | er teens | to lower 20s; d | laytime | ross the northern maxima held in the g to rise above free | e 30s on the 11th |
| Frederick County | | | | | | | | | | |
| Countywide | 20 21 | 2200EST 0900EST | | | 0 | 0 | 10K | | Flood | |
| Washington County East Portion | 20 21 | 2200EST 0900EST | | | 0 | 0 | 10K | | Flood | |
| Carroll County Northwest Portion | 20 | 2300EST | | | 0 | 0 | 2K | | Flood | |
| | 21 An are from th deep m inches | 1000EST a of deep low he morning of hoisture from t in the higher of small stream | pressure over the 20th thro he Gulf of M mountains of | ugh the mornin Iexico, aided in f the Catoctin I | rn U.S. moved s og of the 21st, th dumping storm Ridge. The rair | slowly in then off the total ration, falling | nto the southern he coast by eve infall of 1 1/2 t s onto saturated | ning of o 2 inch soil in | Atlantic region in the 21st. The low, es across the piedr a winter of wet w ver a dozen roads | which entrained nont, with over 2 eather, produced |
| | tempor flooded necessa Hagers | carily closed in d, affecting the ary on a flood stown. Minor | n Frederick (e towns of E led creek in f flooding was | Co (rte. 26, 35 Detour and Uni- Frederick Co. reported in the | 5, and 17). Th on Bridge, as w A total of 15 r | e weste vell as fo oads clo msport, | rn portion of t orcing the close osed in Washin Funkstown, and | he Big I ure of st gton Co I Fairpla | arroll Cos. Three Pipe Creek waters tate route 75. A v , including state ro y. Over two dozen II. | hed (Carroll Co water rescue was bute 68 south of |
| | rescue | (by air boat) w | vas required | along state rout | | a Creek, | a well-known | flood are | nd Washington. H ea in western Mont 1st. | |
| MDZ004>006-010 | Frede 22 | erick - Carro 0000EST 0400EST | | ern Baltimore | e - Howard 0 | 0 | | | Snow | |
| | for a b during accum norther (MDZ) | me area of low band of modera the late evenin ulations. In ge rn Baltimore, 2005), a higher | y pressure whate to heavy ng and early seneral, betwee Carroll, and terrain locat | wet snow, accommon and a sinch for a since the second seco | ompanied in sor of the 21st and es fell from ext (MDZ010; 004 | ne cases 22nd. T reme non >006). yee in (| by thunder, ac wo factors, cor rthern Anne Ar A local total of Odenton (extre | cross no ivection undel (N of 4.9 in | nd earlier in the da rth central and nor and elevation, cau ADZ014) through iches fell just sout hern Anne Arundo | theast Maryland sed wide-varying western Howard, h of Manchester |

| | | Time | Path | Path | Number | r of | Estimated | March 1998 |
|--|--|--|---|--|---|---|--|--|
| Location | Date | Local/ Standard | Length (Miles) | Width (Yards) | Person Killed | ns Injured | Damage Property Crops | Character of Storm |
| MARYLAND, Centra | <u>1</u> | | | | | | | |
| MDZ003>007- 009>011-013>014- 016>018 | | | | | | | rford - Montgome Iary'S - Calvert | ry - Howard - Southern |
| 010/010 | 27 31 | 1500EST 1800EST | | | 0 | 0 | 10K | Unseasonably Warm |
| | After a Undern was set long-st broken several | a winter of clo heath the high, t at Baltimore anding record on March 300 small brush f | budy, wet co , very warm Washington s were shatte th when the r ires, includin | and dry weather International (B ered in Hagerst nercury topped | r developed - r WI) airport wi own. Notably out at 89. The | nore like ith 86 de , the all record h | e early June than late I grees. The previous re- time March high tem- had stood since 1907. | of strong atmospheric high pressure. March. One record high temperature ecord had been 83, set in 1979. Four aperature (formerly 88 degrees) was The dry and breezy conditions aided hrough the 30th. One fire consumed |
| MARYLAND, Northe | east | | | | | | | |
| Caroline County | | | | | | | | |
| Countywide | 08 09 | 1100EST 1000EST | | | 0 | 0 | | Heavy Rain |
| Cecil County | | | | | | | | |
| Countywide | 08 09 | 1100EST 1000EST | | | 0 | 0 | | Heavy Rain |
| Kent County | | | | | | | | |
| Countywide | 08 09 | 1100EST 1000EST | | | 0 | 0 | | Heavy Rain |
| Queen Anne'S County | | | | | | | | |
| Countywide | 08 09 | 1100EST 1000EST | | | 0 | 0 | | Heavy Rain |
| Talbot County | | | | | | | | |
| Countywide | heavies totals a streams | st rain fell dur weraged betwo s or rivers ove | Maryland Ea ing the aftern een 1.5 and 2 r bankfull. St | 1000 on the 8th .0 inches. This | with another l caused some p on totals includ | ourst of h boor drain led 2.00 i | heavy rain before it en nage flooding, but was | Heavy Rain w pressure system's warm front. The ded the morning of the 9th. Storm not heavy enough to push any major 75 inches in Conowingo, 1.70 inches |
| MDZ008-012-015- 019>020 | Cecil | - Kent - Qu | een Annes | - Talbot - Ca | roline | | | |
| | 27 | 1000EST | • | | 0 | 0 | | Unseasonably Warm |
| MDZ008-012-015- | March new M Washir passage | 27th through larch monthly ngton Internati e on April 1st | rm air mass March 31st. high temper onal Airport, slowly broug | The warmest of ature records. | lay was the 30 Across the reg he Patuxent Riv back to season | th. Seven ion, the seven ver NAS | eral locations across the highest temperatures is and 86 degrees in Sali | across the Delmarva Peninsula from ne Middle Atlantic States established ncluded 89 degrees at the Baltimore sbury. Cloudiness and a cold frontal |
| 019>020 | Ceen | Rent Qu | | Tubbe Cu | onne | | | |
| | precipi normal | tation totals o | hat has persi n a county w | eighted average | e were betwee | n 5.2 and | d 6.3 inches, a departu | Unseasonably Wet s the Delmarva Peninsula. Monthly ire of about 2.0 to 2.5 inches above 150 and 175 percent of their normal |
| MARYLAND, South | | | | | | | | |
| | NONE | E REPORTED | | | | | | |
| MARYLAND, West MDZ001 | Garre 10 11 Four to | 0500EST 1300EST | | roughout the cou | 0 inty. | 0 | | Winter Storm |

| | | Time Local/ | Path Length | Path Width | Number Persor | | Estimated Damage | March 1998 |
|----------------------------------|---|---|--|---|---|--|--|--|
| Location | Date | Standard | (Miles) | (Yards) | | s Injured | Property Crops | Character of Storm |
| MARYLAND, West | | | | | | | | |
| | | | - | heavy snow and | l some blowing | g and drif | ting snow to the mou | ntainous areas in western Maryland. |
| MASSACHUSETTS, | | | | | | | | |
| MAZ002>023 | Essex Worce | - Western I ester - West | Hampshire ern Norfol rn Plymou | - Western Ha k - Southeast | mpden - Ea Middlesex - | stern Ha Suffolk | ampshire - Easter | ex - Western Essex - Eastern n Hampden - Southern k - Northern Bristol - Western able - Dukes Heavy Rain |
| MAZ002>024 | Essex Worce | - Western I ester - West | Iampshire ern Norfol rn Plymou | - Western Ha k - Southeast | mpden - Ea Middlesex - | stern Ha Suffolk | ampshire - Easter - Eastern Norfoll | ex - Western Essex - Eastern n Hampden - Southern k - Northern Bristol - Western table - Dukes - Nantucket Strong Winds |
| MAZ016 | Easter 09 | n Norfolk 1401EST | | | 0 | 0 | | High Wind (G64) |
| Worcester County Fitchburg | 09 | 1600EST | I. | | 0 | 0 | | Flood |
| Hampden County West Brimfield | 09 | 1900EST | I. | | 0 | 0 | | Flood |
| MAZ005-005-012 | Weste 09 | rn Middles 2000EST | ex - Southe | rn Worcester | | 0 | 300K | Flood |
| Printal Country | 13 | 0500EST | | | | | | |
| Bristol County Norton | 10 | 0100EST | I. | | 0 | 0 | | Flood |
| Hampshire County | 10 | 0500EST | | | 0 | 0 | | |
| Gibbs Crossing | A power rainfall At time inches v a 30-ho up to 12 Some c Worces | to Massachus s, the rainfall were the most ur period resu 2 to 24 hours. of the maxim ter Airport, 4 | utts, resulting was torrent common, bu ulting in cons um storm to .06"; Holland | g in urban street ial, especially d it totals exceedin iderable urban s tal rainfall amo l, 4.03"; Onset a | flooding, base uring thunders ng 4 inches did treet flooding. punts included and West Bridg | ment floo torms dur occur in Many ro : Oxford gewater, 4 | ding, small stream flo ring the evening on 1 all areas of the state. ads had to be closed d, 5.44 "; Ware, 4.9 4.00"; Wilbraham, 3.4 | Flood akes caused strong winds and heavy ooding, and main stem river flooding March 9th. Rainfall totals of 2 to 4 Most of the rainfall occurred during for periods ranging from a few hours 0"; Brimfield, 4.40"; Wales, 4.10", 80"; Mansfield, 3.74"; and Hampden ints of 2.14" and 3.73", respectively. |
| | eastern during t crested commu baseme on Mar River at | part experier he mid to late at 10.7 feet a nities of Nort nts and at lea ch 10th and c t Maynard rea | cced strong s e morning ho t 5 AM on M hbridge and st six houses rested at 9.7 iched a crest | outh-southeast t urs. The Blacks arch 10th, then Uxbridge. One had serious floc feet at 11 PM c | o south winds stone River at I fell below floo official termed ding. The Nas on March 11th, AM on March | with gus Northbrid d stage at it "the w hua Rive then fell l 1th; floo | sts from 40 to 55 mp ge reached flood stag t 3:30 PM Hardest I vorst flooding in 20 y er at East Pepperell re below flood stage at bd stage is 5 feet. The | rch 9th and much of the central and h after the passage of a warm from e of 9 feet at 8 PM on March 9th an- hit towns were the Blackstone Valley ears." Numerous houses had floode ached flood stage of 8 feet at 11 AM 5 AM on March 13th. The Assabe e Merrimack River at Lowell reached |
| | County flood st March 9 | reached flood age of 6.5 fe 9th. The Wad | l stage of 7 f et at 7 PM o ling River in | eet at 5 AM on n March 9th. 7 | March 10th. 7 'he North Nasl | The Quabout River | oug River at West Bi | tiver at Gibbs Crossing in Hampshir rimfield in Hampden County reached d flood stage of 6.5 feet at 4 PM on A on March 10th. |
| MAZ005 | 12 A fast r of 30 to snow. A closed f | 35 vehicles a A thin coating for about 3 ho | squall sudder and the deaths of ice which ours and traff | s of two people. quickly formed ic was stalled fo | A 45-year-old l on the road su r 7 miles. And | man and rface con other simi | a 3-month-old infant atributed to the multip ilar heavy snow squa | Snow Squall Boxborough and resulted in a pile-up t died. Motorists were blinded by the ole vehicle crashes. The highway was ll occurred in Windham and Derry in e closure of that highway. Massive |

| | | Time | Path | Path | Number | r of | Estimated | March 1998 |
|--------------------|---|---|---|--|--|--|--|--|
| Location | Date | Local/ Standard | Length (Miles) | Width (Yards) | Persor Killed | ıs Injured | Damage Property Crops | Character of Storm |
| MASSACHUSETTS, | Centr | al and East | | | | | | |
| | traffic M45V | 1 | d commuters | and motorists | from Massachu | isetts on | that interstate highway | y throughout the afternoon. ??VE, |
| MAZ009 | West 14 | ern Hampde 0600EST 1800EST | n | | 0 | 0 | | Heavy Snow |
| | | fall totaled 6.0 i | | | | | | vfall at lower elevations. Numerous, |
| MAZ022 | • | / minor, skiddir stable | ng accidents | were reported o | n highways in | western N | Massachusetts. | |
| | 18 19 | 1800EST 2100EST | | | 0 | 0 | | Heavy Rain |
| | More | | | n several towns | on Cape Cod. | Some s | torm totals included: | South Orleans, 2.50"; Chatham and |
| MAZ005>007-013>024 | | | | | | | | east Middlesex - Suffolk - Southern Bristol - Southern |
| | | | | kes - Nantuck | | 0 | ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, ,, | Strong Winds |
| | 22 | 0700EST | | | Ū | Ū | | Strong winds |
| MAZ016 | Easte 22 | ern Norfolk 0255EST | | | 0 | 0 | | High Wind (G52) |
| MAZ008 | West 22 | ern Hampshi 0700EST | ire | | 0 | 0 | | Heavy Snow |
| | on the and so peak v mph; 0 mph. | order of an ind outheast coastal wind gusts inclu Chatham and P Twenty-foot so | ch or two. C Massachuse uded: Blue rovincetown eas were rep | Cape Cod and the tts for about 24 Hill Observator , 41 mph; and P orted offshore | e Islands had n hours from the y, Milton, 60 n Nantucket, 39 n and the high se | rain. Stro morning nph; Wir nph. Off eas frustr | ong northeast winds g g of March 21st throug nthrop, 51 mph; Falmo fshore, the Buzzards 1 | Bristol Counties, where amounts were gusting to 40 to 55 mph affected east gh the morning of March 22nd. Some outh, 48 mph; Martha's Vineyard, 46 Bay buoy reported a peak wind of 55 poast Guard to tow a disabled fishing gh seas. |
| MAZ005>007-013>024 | | | | | | | | east Middlesex - Suffolk - |
| | | | | Bristol - Wes kes - Nantuck | - | ith - Ea | stern Plymouth - S | Southern Bristol - Southern |
| | 26 | 1000EST 1800EST | | | 0 | 0 | | Strong Winds |
| | | g south-southwe | | sting to 35 to 5 Milton, 50 mph | | | | e afternoon. Some peak wind gusts |
| MAZ015>016 | Suffo 27 | lk - Eastern 1528EST 1530EST | Norfolk | | 0 | 0 | | Record Warmth |
| MAZ012-015>016 | South 28 | 1306EST | ter - Suffol | k - Eastern N | lorfolk 0 | 0 | | Record Warmth |
| MA 7002 010 | Airpor Obser 1945. for the temper temper | t in Boston so vatory in Milto At Blue Hill C e month of Mar rature reached rature of 81 deg | ared to 79 d n on the 27t Observatory rch. The pro 85 degrees grees tied the | egrees, breaking h, the high temp on March 28th, evious record th and the old rec record high rea | g the record fo perature of 78 the temperatur there was 85 de cord was 81 d | r the date degrees s re soared grees set egrees in | e. The old record was surpassed the previous to 86 degrees, establi on March 29, 1945. | the temperature at Logan International as 76 degrees in 1945. At Blue Hill s record for the date of 76 degrees in shing a new high temperature record At Boston on March 28th, the high er Airport, on March 28th, the high |
| MAZ003-010 | 30 | rn Franklin 0700EST | - Eastern | nampshire | 0 | 0 | | Flood |
| | dam re and fl | eleases caused ood stage of 2 | the Connecti 8 feet was r | cut River to ris eached at 10:30 | e. Flood stage AM at Monta | of 112 f ague. Th | feet was attained at 7 | combined effects of rapid runoff and AM on March 30th in Northampton we flood stage into the beginning of ction were affected. |

| | Ste | orm l | Data a | nd Unu | sual We | eathe | r Phenon | nena |
|---------------------------------|--|---|--|--|---|--|---|--|
| Location | Data | Time Local/ Standard | Path Length (Miles) | Path Width (Varde) | Number Person: Killed I | 8 | Estimated Damage | March 1998 Character of Storm |
| | | | | (Yards) | Killeu I | iljured i | Property Crops | |
| MASSACHUSETTS MAZ012-015>016 | | | | lk - Eastern I | Jorfolk | | | |
| MA2012-013-010 | 31 On March a high ter Airport, ti 1945. Ho was only breaking also brok | 1342ES 1353ES h 31st, the nperature of he high ter yowever, the 70 degreee the all-tim e the high | F temperature a of 89 degrees nperature of 8 daily high te s set on Mar- e high temperature | at Logan Interna was recorded. 44 degrees tied to mperature record ch 31, 1918. <i>A</i> rature record for record for the co | 0 tional Airport in The previous h he warmest tem d for March 31s at the Blue Hill r the month, wh late of March 3 | igh reading perature ev t in Worces Observator ich had jus 1st, which | was 86 degrees of er recorded in the r ster was shattered b ry in Milton, the h t been set on Marc was only 69 degre | Record Warmth record for the month of March when n March 29, 1945. At the Worceste month of Marchagain on March 29 by a wide marginthe previous recor- igh temperature reached 89 degrees. If the structure of this year at 86 degrees. If es recorded in 1986. Also, at many |
| | | tations, the | high tempera | atures on March | 31st were the h | ighest read | ings ever observed | so early in the season. |
| MASSACHUSETTS | | | | | | | | |
| MAZ001 | Berkshi 14 15 | 0300ES 0000ES | Г | | 0 | 0 | | Snow |
| | | evations of | | | | | | The greatest snowfall occurred in th vy wet snow caused numerous traffi |
| MAZ001 | Berkshi | | F | | ٥ | 0 | | XX/: 4 |
| | | | Г nd 22, a coas | | | | nd freezing rain a et and freezing rain | Wintery Mix cross Berkshire County. Snow total |
| MAZ001 | Berkshi | - | 5 to 5 mer | ies, with additio | | in due to sie | | |
| | | | Г was a period | | | | | Excessive Heat a pressure off the Mid-Atlantic coa from the middle 70s to upper 80s. |
| MICHIGAN, East | • | • | | | | - | | |
| MIZ048 | | nia. Alcoh | passed out w | hile walking he | | 0 l tavern. A | A steady, cold rain | Extreme Cold was falling, and the man died from |
| MIZ076 | Wayne 09 | 0600ES 1200ES | | | 0 | 0 | | Flood |
| MIZ048 | Bay 09 | 0900ES 2100ES | Г | | 0 | 0 | | Heavy Snow |
| MIZ054-061 | Tuscola 09 | - Genese 1030ES 1100ES | е Г | | 0 | 0 | | High Wind (G50) |
| | • | low pressu | re system mo | | | | - | hio Valley on the evening of the 8th weather events to southeast Michigar |
| | higher rai | infall total | s were 2.16 i | nches in Morer | ici and 2.1 inch | es in Allen | | ne morning of the 9th. Some of the aused some minor urban flooding in flooding. |
| | | | f snow fell in ommunity of | | the 9th. The h | ighest snov | vfall total, six inche | es, was recorded seven miles west of |
| | shoreline, lines in F | , seven mil lint, Burtor | es northwest | | ese winds came | | | re downed along the Tuscola Count the morning, the wind downed powe |
| MIZ070 | Macomi 09 | b 1200ES 2100ES | | | 0 | 0 | | Flood |

| | | Time | Path | Path | Numbe | | Estimated | March 1998 |
|---|--------------------------------------|--|--|--------------------------------|-----------------------------------|--------------------------|--|--|
| Location | Date | Local/ Standard | Length (Miles) | Width (Yards) | Perso Killed | ns Injured | Damage Property Crops | Character of Storm |
| MICHIGAN, East | | | | | | | | |
| | | linton River near hen fell below flo | | | foot flood sta | age at noo | on EST on the 9th. T | he river crested at 16.5 feet at 2 pm |
| MIZ076 | Wayı 09 10 | ne 1400EST 2100EST | | | 0 | 0 | | Flood |
| | The Lo | | | | | • | * | The river crested at 11.2 feet at 7 am |
| MIZ062 | Lape 13 14 | er 1900EST 0300EST | | | 0 | 0 | | Heavy Snow |
| | A clip northe Ontari | per-type low pres rn lower Michiga | n in the ev roduced a | ening. The low swath of 3 to 6 | w then turned inches of sno | east and o w from th | crossed Lake Huron ea ne Saginaw Bay area e | sing Lake Superior and moving into arly on the 14th on its way back into astward to the Thumb. The heaviest |
| MIZ053>054 | 8 | aw - Tuscola 0400EST | | | 0 | 0 | | Flood |
| | | 0900EST | | | 7 foot flood st | • | | Flood The river crested at 19.6 feet at 9 am |
| | | ass River at Vassa st, then fell back b | | | - | | on the 20th. The rive | r crested at 14.3 feet at 7 am EST on |
| | | two inches of ra gh some flooding | | | | | | e resultant river flooding was minor, |
| MIZ055-063 | Sanil: 20 21 | ac - St. Clair 1900EST 0800EST | | | 0 | 0 | | Heavy Snow |
| | A low 21st. S took p Sanila | pressure area mo Southeast Michiga lace along the ea | an was on t st shore of Counties r | the northern fri | nge of the prec s this was who | cipitation ere the he | area from this low. It eaviest snowfall occur | sss the southern Appalachians on the appears that some lake enhancement red. The road commissions of both across Metro Detroit, 2 to 5 inch |
| Lenawee County 2 NW Tipton | 28 | 1058EST | 0.5 | 25 | 0 | 0 | 25K | Tornado (F1) |
| Monroe County 5 SW Milan | 28 | 1110EST | | | 0 | 0 | 5K | Thunderstorm Wind (G60) |
| Washtenaw County Manchester Washtenaw County | 28 | 1111EST | | | 0 | 0 | 10K | Thunderstorm Wind (G60) |
| Ann Arbor | 28 | 1113EST | | | 0 | 0 | | Thunderstorm Wind (G50) |
| Washtenaw County Scio | 28 | 1118EST | | | 0 | 0 | | Thunderstorm Wind (G50) |
| Washtenaw County 2 NW Ypsilanti to 2 NE Ypsilanti | 28 | 1123EST 1127EST | | | 0 | 0 | 30K | Thunderstorm Wind (G60) |
| Oakland County Milford | 28 | 1130EST | | | 0 | 0 | | Thunderstorm Wind (G56) |
| Wayne County Livonia to Redford | 28 | 1140EST 1142EST | | | 0 | 0 | 550K | Thunderstorm Wind (G74) |
| Wayne County Detroit | 28 | 1145EST 1200EST | | | 0 | 0 | 50K | Thunderstorm Wind (G65) |
| Macomb County 2 S Roseville to 3 SE Mt Clemens | 28 | 1155EST 1205EST | | | 0 | 0 | | Thunderstorm Wind (G50) |

| | St | orm I | Data ai | nd Unu | sual W | eath | er Phenon | nena |
|--|---|---|---|--|---|---|--|---|
| Location | Data | Time Local/ Standard | Path Length (Miles) | Path Width (Yards) | Number Person Killed | | Estimated Damage Property Crops | March 1998 Character of Storm |
| MICHIGAN, East | | | . , | (, | | 5 | 1 2 1 | |
| Macomb County Utica | afternoo and mov wind da were da | n hours. A ving two gra mage from maged, and | g showers wi brief tornado in silos off of just west of A | occurred in nort their foundation Ann Arbor to ju were downed, | hern Lenawee ns. The same s st north of Yp: | County, d torm blev silanti. I | lestroying a farmhous w down trees in Man n Ypsilanti Townshi | Thunderstorm Wind (G50) gan during the late morning and early se and a barn, damaging another barn, chester, and then produced patches of p, a house was deroofed, other roofs amaged in Superior Township, and |
| | spotter e street. S the Amb area was the inter | estimated wi substantial tr bassador Bri s damaged. national bor | nds of 85 mpl ee damage als dge. A wall An empty tr der. | n took the roof of so took place. A was knocked ou actor-trailer atte | off of a busines Another pocket at at a taxi cab mpting to cross | s and thre of damag garage, v s the Am | ew parts of it throug e occurred just west vith cinderblocks dar bassador Bridge into | vily damaged. In adjacent Redford, h the window of a business across the of downtown Detroit, near the foot of naging five cabs. A billboard in the Canada was knocked over very near |
| | | | | ville. A few tre | | - | | inship south to Eastpointe. The most |
| Saginaw County Fenmore | 30 A citizer | 1240ES | - | il with a small s | 0 evere thunderst | 0 orm in F | enmore | Hail (0.88) |
| MICHIGAN, Extreme | | | leker sized itu | i with a small s | | | | |
| | | | | | | | | |
| MICHICAN North | NONE | REPORTED |). | | | | | |
| <u>MICHIGAN, North</u> MIZ016>022-025>028 | Emmet | t - Chebov | oan - Preso | ue Isle - Cha | rlevoix - Lee | lanau . | Antrim - Otsego - | Benzie - Grand Traverse - |
| 11120102022-0252020 | | ka - Craw 1200EST 2200EST | 7 ford ก | ut isit - Cha | 0 | 0 | Anti III - Otsego - | Winter Storm |
| | Lower N | ssure trackin Aichigan. Sr | ng from the C now began du | | igbecoming h | neavy at t | | rtions of Northwest and Northcentral noonbefore tapering off during the |
| MIZ016>036-041>042 | Benzie | - Grand T | Traverse - K | alkaska - Cr | awford - Osc | | | Montmorency - Alpena - - Wexford - Missaukee - |
| | Koscon 09 | nmon - Og 0600EST | | co - Gladwin | - Arenac 0 | 0 | | Blizzard |
| | state bro changed hours. W in exces ranged f and the o and stro school d | bught blizza to all snow Vinds rapidly s of 45 mpl from 8 to 12 combination ng winds al istricts in No | ng through the rd conditions in the mornin y increased to nthen contin inches across of poor visib so brought de | to Northern L ag following the sustained speed ued into the ev the regionwi ilities and hazar own branches a | ower Michigan passage of the ds of 20 to 30 r rening causing th some totals i dous road cond and powerlines | during cold from mph behi widespre in exces of litions car producin | the 8th. A mix of si nt. Snowheavy at ti nd the front. Sustaine ad blowing and drift of 12 inches. Snow di used many accidents. ng scattered power o | ow and strong cold front crossing the leetfreezing rain and snow quickly mesthen continued into the evening ed winds of 20 to 30 mphwith gusts ing snow. Snowfall totals generally rifts of 3 to 4 feet closed many roads The combination of heavy wet snow utages across the region. Nearly 100 y. Many buisnesses also closed early |
| Roscommon County Roscommon | 30 | 1505EST | Г | | 0 | 0 | | Hail (0 75) |
| Roscommon County 1 NE Roscommon | 30 30 | 2338EST | | | 0 | 0 | | Hail (0.75) Hail (0.75) |
| MICHIGAN, Upper | | | _ | | | | | |
| MIZ005>007 | 08 10 | ette - Alge 2000EST 2000EST | r r | | 0 | 0 | | Heavy Snow |
| | - | | - | | | | | heavy lake effect snow across North oth included 16.0 inches at Wetmore |

Strong north winds brought cold air across the ice free waters of Lake Superior producing heavy lake effect snow across North Central Upper Michigan. Snow totals between the evening of the 8th and the evening of the 10th included 16.0 inches at Wetmore, 14.6 inches at Munising, 13.1 inches at the Marquette County Airport and 12.0 inches at Newberry.

| | | Time Local/ | Path Longth | Path | Numbe Perso | | Estimated | | March 1998 | | | |
|--|--|-------------------------------------|-------------------|------------------|----------------|---------------|--|--------------------|------------|--|--|--|
| Location | Date | Local/ Standard | Length (Miles) | Width (Yards) | Killed | ns Injured | Damage Property Crops | Character of Storm | | | | |
| MICHIGAN, Upper | | | | | | | | | | | | |
| MIZ002-005>006- 009>010 | Onto | nagon - Marc | quette - Alg | ger - Gogebio | e - Iron | | | | | | | |
| | 131900EST00Heavy Snow141600ESTCold air blowing across the relatively warmer waters of Lake Superior brought heavy lake effect snow to scattered locations acroWest and Central Upper Michigan. Snow totals included Ironwood 16.7 inches, Ramsay 13.5 inches, Paint Lake (25 NW of IrocRiver)11.8 inches, Bergland 11.7 inches, Wetmore 11.0 inches, Rockland 9.4 inches, Marquette County Airport 9.4 inches andSilver City 9.0 inches. | | | | | | | | | | | |
| Luce County | | | | | | | | | | | | |
| 25 NNE Newberry | 26 | 1845EST 1846EST | | | 0 | 0 | | Hail (1.00) | | | | |
| Marquette County Republic | 27 | 1108EST 1110EST | | | 0 | 0 | | Hail (0.75) | | | | |
| Dickinson County Norway | 29 | 1735EST 1740EST | | | 0 | 0 | | Hail (0.75) | | | | |
| Dickinson County Ouinnesec | 29 | 1740EST | | | 0 | 0 | | Hail (0.75) | | | | |
| Delta County | | 1710201 | | | Ū | Ū | | Han (0.75) | | | | |
| Stonington | 29 | 1741EST | | | 0 | 0 | | Hail (0.75) | | | | |
| Dickinson County Foster City | 29 12 inc | 2250EST th diameter tree | was uproote | d near Foster C | 0 ity. | 0 | | Thunderstorm | wind (G50) | | | |
| Marquette County 4 NE Watson | 29 | 2300EST 2305EST | r trace uproc | tod | 0 | 0 | | Thunderstorm | Wind (G50) | | | |
| Delta County 2 NW Rock | 12 to 29 | 15 inch diamete 2330EST | n trees uproc | neu. | 0 | 0 | | Funnel Cloud | | | | |
| MICHIGAN, West | | | | | | | | | | | | |
| MIZ037>038-043-050 | Maso 09 | n - Lake - Oc 0700EST 1900EST | ceana - Mu | skegon | 0 | 0 | | Blizzard | | | | |
| MIZ039>040-044>046- 051>052-056>059- 064>067-071>074- 077>080 | | ola - Clare - N an - Barry - I | | | | | Gratiot - Ottawa - Calhoun - Jackso | | | | | |
| | 09 | 0700EST 1900EST | | | 0 | 0 | 100K | Winter Storm | | | | |

A strengthening low pressure center tracked northeast across the Ohio Valley on Monday, March 9th, and brought heavy snow and blizzard conditions to west central, southwest, central, and most of south central Lower Michigan. Light rain on Sunday, March 8th, changed to a brief period of freezing rain and sleet during the predawn hours on Monday, March 9th in areas north and west of Grand Rapids. This icy mixture changed to snow by 7:00 am EST across most of Mason, Lake, Osceola, Mecosta, Newaygo, Oceana, Muskegon, and Ottawa Counties. Rain changed to freezing rain and sleet in the Grand Rapids metropolitan area, Kalamazoo, Battle Creek, Lansing, Jackson, and surrounding communities between 7:00 am and 9:00 am EST. This icy mix changed to snow during the mid to late morning hours from east to west. However, a prolonged period of sleet across Barry, Branch, Calhoun, Clinton, Eaton, Ingham, Jackson, Kalamazoo, and St. Joseph counties, cut down on snowfall totals in these areas. Snowfall was heavy and was reported at rates around and slightly over 1 inch per hour. Northerly winds increased to sustained speeds of 25 to 35 mph during the morning hours and wind gusts of 45-60 mph were reported along the counties along Lake Michigan shores. One report of a 60-mph wind gust occurred in Ludington around Noon. Widespread blizzard conditions were reported across Mason, Lake, Oceana, and Muskegon Counties. Occasional white-outs were also reported elsewhere across western and central Lower Michigan. Snowfall totals averaged 6 to 12 inches for areas north and west of a line from Cassopolis to Kalamazoo to Lansing. The highest storm total reported was 18 inches in Howard City, in Montcalm County. Snowfall totals of 2 to 5 inches were reported in Kalamazoo, St. Joseph, Calhoun, Branch, Eaton, Ingham, and Jackson counties. Several area cities and counties declared local snow emergencies.

Numerous weather-related traffic accidents were reported, one of which resulted in 2 fatalities in Kent County when a snowmobile collided with a Kent County Road Commission snow plow truck. Downed trees and power lines cut power to some residents, most

| | | Time | Path | Path | Numbe | r of | Estimated | March 1998 |
|---|---|--|--|--|---|---|--|--|
| Location | Date | Local/ Standard | Length (Miles) | Width (Yards) | Perso: Killed | ns Injured | Damage Property Crops | Character of Storm |
| <u>MICHIGAN, West</u> | Muske winter early M crashee | gon (1,900), storm, the m Aonday morni | Montcalm (1 ost intense of ng weakened nome in the o | ,630), Allegan f the 1997-98 v an old oak tree | (7,000), and Be vinter season. (, which was blo | errien (12) Saturated own over | ,000) counties. Schoo ground in Jackson f by winds gusting to 3 | n Mason (600), Lake, Clare, Oceana, ols and businesses were closed by this rom heavy rainfall Sunday night and 0 mph just before daybreak. This tree age. No injuries were reported from |
| MI7074 | lake sh homes several the sto in Berr | ore in New E were flooded l roads in Ben rm. Numerou rien County fo | Buffalo was un l in New But ton Harbor. V s power lines | ndermined and ffalo because o Vinds gusted to were downed i | destroyed as hi f the partial co 50 knots along hear the lake sh | gh waves ollapse of the lake nore in Be | s on Lake Michigan v a sea wall. Storm s shore and wave heig | Berrien Counties. One home along the washed away the dunes. Several other urge in the St. Joseph River flooded nts reached 10-15 feet at the height of al shelters were opened Monday night |
| MIZ074 | Jacks 09 | 0800ES1 | Г | | 0 | 0 | | Flood |
| | rains c rises i quickl | of around an i n river levels | urred along th nch and a hal . Jackson is l st above flood | f occurred in the ocated near the stage at 13.3 for | e Jackson area headwaters o | , which r f the Gra | esulted in significant and River and the he | During the previous 24 hours, heav y runoff from the urban area and rapi d avy rains caused the river to respond e for 2 hours. Minor flooding occurred, |
| MIZ037-043-056-064- 071-077>078 | Maso | n - Oceana | - Ottawa - J | Allegan - Va | n Buren - Be | rrien - (| Cass | |
| | 10 11 | 0100EST 0700EST | | | 0 | 0 | | Lake Effect Snow |
| MIZ037>040-043>046- 050>052-056>059- | across Lower March northw accum Saugat Maso | portions of th Michigan. L 11th. In the vest Mason, - ulations reach uck (Allegan) n - Lake - (| e counties boo ake effect sno counties liste extreme west and 9 inches 1 0, Coloma and Osceola - Cl | rdering the lake ow began aroun d, lake effect s iern Allegan, v near Glenn and Watervliet (Be are - Oceana | in western Loo ad 1:00 am ES snowfall accun western Van I Ganges (Alleg rrien), and Dov - Newaygo | wer Michi T Tuesda nulations Buren, no gan Coun wagiac (C Mecost | igan and as far inland ay, March 10th and ranged from 2 to 9 orthern Berrien, and ty) and South Haver ass); and 4 inches in | ect snow showers and squalls inland as Cass County in extreme southwest continued until 7:00 am Wednesday, inches. Snowfall was heaviest across northwest Cass counties. Snowfall (Van Buren County); 6 inches near Niles and Benton Harbor (Berrien). kegon - Montcalm - Gratiot - oo - Calhoun |
| 064>067-072>073 | | | | | - | | | |
| | during Michig evenin, west co winds speeds accume Lansin | the overnigh gan during m g hours. Sout entral Lower associated wir were sustained ulations range g were 2 inch | rta Clipper lo t hours of Fr id afternoon Michigan, ind th the system, ed at 15 to 25 ed from 2.5 t es or less. | iday, March 13 Friday, then sp blowing across cluding Ottawa, first southwest mph, with gus o 10 inches in | th and early S read east-south Lake Michigan Muskegon, O ahead of the fr ts to 35 mph. S the listed cours | aturday, l neast acro n ahead o ceana, Ma cont, then nowfall r nties. Sno | March 14th. Snow fi biss southwest, centra f the system resulted ason, Lake, Newayge northwest behind it, i rates approached 1 in bis accumulations so | Heavy Snow st across Michigan's Lower Peninsula rst spread across west central Lower l, and south central during the early in lake enhancement across much of o, Kent, and Osceola Counties. Gusty resulted in blowing and drifting. Wind ch per hour with this system and total uth of Kalamazoo, Battle Creek, and |
| | outage lines. U Snowfa Cedar inches | s were report Jp to 650 peo all reports inc Springs (Ken in Muskegon | ed in Muskeg ple were with cluded 10 inch t); 6 inches ir ; 4.8 inches in | on County, wh out power for a nes in central N 1 Irons (Lake), 1 Grand Haven; | ere wind gusts short time. ewaygo Count Kent City (Ken 4.0 inches in | to nearly y; 8 inche nt), and ac Holland a | v 40 mph downed so es in New Era (Ocea cross much of Osceo | blved minor injuries. Scattered power me tree limbs and branches on power na County), Fremont (Newaygo), and la, Lake and Muskegon Counties; 5.5 ches in downtown Grand Rapids; and |
| MIZ067-071>074- | | | | r Service Office mazoo - Calh | - | | rien - Cass - St. Jo | seph - Branch - Hillsdale |
| 077>081 | 20 21 | 1600EST 0100EST | | | 0 | 0 | | Winter Storm |

| | _ | Time Local/ | Path Length | Path Width | Numbe Persor | | Estimated Damage | | March 1998 |
|---|--|---|--|---|---|---|---|--|--|
| Location | Date | Standard | (Miles) | (Yards) | Killed | Injured | Property Crops | Character of Storm | |
| MICHIGAN, West | | | | | | | | | |
| | the ear keeping southw as a mi condition of the I | ly morning he g the most si est and south xture of sleet ons hazardous interstate-94 c | ours of Sature gnificant prec central Lower and freezing r for the Friday orridor. Snow | lay, March 21 ipitation south Michigan, mai ain Friday after y afternoon rus accumulations | st. The low pr of the state. nly south of a noon, then turn h hour and sev ranged from | A mixtu A mixtu line from ned to mo veral min 1 to 4 inc | afternoon and evening enter tracked across 1 re of snow, sleet, ar a South Haven to Lans ostly snow Friday eve or weather-related acc thes in the aforementi n County, and souther | Kentucky and into n ad freezing rain fell sing, MI. The precipi ning. The ice at the o cidents were reported oned counties. Accur | orthern Virginia across much of tation started out onset made travel along and south |
| MIZ056>057 | Ottaw 22 | a - Kent 1900EST | | | 0 | 0 | | Flood | |
| | March Steady March March | 25th. No proprainfall and v 19th, led to m 25th. Well be | Robinson Toy perty damage warmer tempe ninor flooding elow normal | was reported ar ratures, resulti along the Gra temperatures, v | at its flood sta id only minor f ng in a meltin nd River in K vhich returned | ge of 13. flooding g of the ent and 0 on Mar | 3 feet on March 22nd occurred. existing snowpack, o Ottawa Counties durin ch 20th, greatly redu poding episode. | d and held steady at a luring the period of ng the period of Mar | March 18th and ch 22nd through |
| Jackson County | | | | | | | | | |
| 5 E Brooklyn | Highw window | ay 124 and W | tral Dispatch Vellwood Roa on Wellwood | d, approximate | ly 5 miles eas | st of Bro | 5K wned in Norvel Towr oklyn. A large brancl s was the first severe | n from a downed tre | ction of Michiga e broke the from |
| Lake County | | | | | | | | | |
| Baldwin | 30 The La diamet | • | I | ment reported | 0 hail fell from | 0 2:05 to 2 | 2:10 pm EST, ranging | Hail (1.00) g in size from one-ha | lf to one inch i |
| Lake County | diamet | | | | | | | | |
| 3 SW Baldwin | Baldw Warm, for the produce metrop | in, in Pleasant moist air in p first severe t ed small pea olitan area no | ation in Cadi Plains Towns lace across ce hunderstorm of to marble-siz orthward acro | ship. ntral and south event of the sp ed hail (1/4-1/ ss west central | ern Lower Mic ring season ac 2 inch diamet Lower Mich | chigan, al cross wes er) at se igan. Sev | .75 inch diameter hai head of a slowly south st central and southw veral locations from vere criteria hail was injuries or property da | ward moving cold fi est Lower Michigan Kent County and th reported in Lake C | ont, set the stag . Thunderstorm e Grand Rapid |
| AINNESOTA, Cent | tral and S | South Cen | <u>tral</u> | | | | | | |
| Steele County Blooming Prairie | 27 | 0235CST | | | 0 | 0 | | Hail (0.75) | |
| Sibley County 5 NE Arlington Freeborn County | 29 | 1445CST | • | | 0 | 0 | | Hail (1.50) | |
| 1 W Albert Lea | 29 | 1452CST | | | 0 | 0 | | Hail (1.25) | |
| Hennepin County Eden Prairie | 29 | 1505CST | • | | 0 | 0 | | Hail (1.00) | |
| Freeborn County 1 N Hartland Hennepin County | 29 | 1510CST | | | 0 | 0 | | Hail (0.88) | |
| Edina | 29 | 1515CST | | | 0 | 0 | | Hail (0.88) | |
| Dakota County 20 S Burnsville Honnonin County | 29 | 1518CST | • | | 0 | 0 | | Hail (0.75) | |
| Hennepin County St Anthony Wright County | 29 | 1520CST | | | 0 | 0 | | Hail (0.75) | |
| Monticello | 29 | 1525CST | | | 0 | 0 | | Hail (0.75) | |

0

Hail (1.75)

0

Faribault County

29

1530CST

2 N Bricelyn

| | | Time Local/ | Path Length | Path Width | Numbe Perso | | Estimated | | March 199 |
|---|---|--|--|--|---|---|---|---|---|
| Location | Date | Local/ Standard | Length (Miles) | Width (Yards) | Killed | ns Injured | Damage Property Crops | Character of Storm | |
| MINNESOTA, Centr | al and | South Centra | <u>al</u> | | | | | | |
| Steele County 10 S Owatonna | 29 | 1530CST | | | 0 | 0 | | Hail (1.00) | |
| Freeborn County 3 NW Albert Lea | 29 | 1535CST | | | 0 | 0 | | Hail (1.75) | |
| Washington County 7 N Stillwater | 29 | 1535CST | | | 0 | 0 | | Hail (1.75) | |
| Anoka County Fridley | 29 | 1623CST | | | 0 | 0 | | Hail (1.25) | |
| Watonwan County 3 NNW Darfur to 3.5 NNW Darfur | 29 | 1628CST | 0.5 | 100 | 0 | 0 | | Tornado (F4) | |
| 5.5 MINW Dariur | Torna | do moving throug | h southern E | Brown county b | rushed extre | me northy | west Watonwan count | y. See Brown county | y narrative. |
| Brown County Comfrey to 3 E Searles | 29 | 1630CST 1705CST | 25 | 2200 | 1 | 16 | 45M | Tornado (F4) | |
| | tornac Comf farms northy Dama | lo ripped through rey destroyed inc teads damaged or west of the town of ge estimate estim | the village luding the to destroyed in of Hanska. In aated. Proper | of Comfrey de own hall. Sch n Brown count He died the new ty damage to | stroying a g ool heavily y. 500 dair xt day. 35 b extreme nor | rain eleva damaged y cows k puildings thwest Bl | in Nicollet county. T ator and damaging 75 . 100 people made illed. One man critic destroyed or damaged lue Earth county acro ated at 245 thousand. | i% of the town. Mu homeless. 50 home cally injured in colla 1 in far Northwest Bl pss Cambria townshi | ich of downtow s destroyed. 13 pse of farmstea lue Earth count |
| Brown County 7 SW Leavenworth | 29 | 1630CST | 0 | | 0 | 0 | | Hail (1.25) | |
| Brown County 3 E Springfield | 29 | 1630CST | | | 0 | 0 | | Hail (1.00) | |
| Blue Earth County 2 W Cambria to 1 NW Cambria | 29 See B | 1705CST 1707CST rown county discu | 2 ussion. | 2200 | 0 | 0 | | Tornado (F4) | |
| Nicollet County Courtland | 29 | 1705CST | | | 0 | 0 | | Hail (4.50) | |
| Nicollet County 1 SE Courtland to 4 E Courtland | 29 | 1707CST 1715CST | 4 | 2200 | 0 | 0 | | Tornado (F4) | |
| Nicollet County | See n | arrative for Browr | county. | | | | | | |
| 2 E Nicollet to St Peter | 29 | 1718CST 1735CST | 12 | 2200 | 1 | 0 | 120M | Tornado (F3) | |
| | degree destro struck Debri | es of damage. The oyed in St. Peter, f a vehicle. St. P | ne spire on C 1,700 were d eter Catholic pund 50 mile | Christ Chapel si amaged. Over Church destro s away in south | napped in ha 1,000 trees byed. Hospi hern suburbs | lf. 70% uprooted. tal severe of the Tv | s College. All major of the windows on ca . One person killed ju ely damaged. Roof ri vin Cities. 60 rural ho 6VE | ampus were broken. ust outside St. Peter v ipped off library. 25 | 500 homes we when the tornac 5% of books los |
| Nicollet County 7 SW St Peter | 29 | 1731CST | | | 0 | 0 | | Hail (1.75) | |
| Le Sueur County 4 S Ottawa to 5 W Le Center | 29 See n | 1735CST 1745CST arrative for Nicoll | 6 et county | 2200 | 0 | 0 | | Tornado (F3) | |
| Le Sueur County | See II | | ci county. | | | | | | |
| 2 N Cleveland to 1 E Montgomery | 29 | 1748CST 1804CST | 17 | 1760 | 0 | 2 | 20M | Tornado (F2) | |

Tornado tracked through Le Center and adjoining rural areas. Most of the businesses in the southern part of town were damaged. Buildings destroyed at county fairgrounds. 15 mobiles homes at a trailer park destroyed, another 26 suffering major damage. Over 100 farm buildings destroyed.

| Lacadim Date Sundant (Vinite) (Vinite) <th></th> <th></th> <th>Time Local/</th> <th>Path Length</th> <th>Path Width</th> <th>Numbe Perso</th> <th></th> <th>Estimated Damage</th> <th>Marc</th> <th>h 1998</th> | | | Time Local/ | Path Length | Path Width | Numbe Perso | | Estimated Damage | Marc | h 1998 |
|---|---------------------------|--------|--------------------|----------------|------------------|----------------|------------|------------------------|-------------------------------|----------|
| Nice County 3 SW Loasdale SW Loasdale SW Loasdale (Sign County 5 SU Coustle Rock to 5 SU Coustle Rock to 2 1832 CST Nice County 1832 CST Tornado (F2) Dakota County 5 W Castle Rock to 2 W Castle Rock Rock to 2 W Castle Rock to 2 W Castle Rock to 2 W Castle Rock t | Location | Date | | - | | | | 0 | Character of Storm | |
| Rice County 3 SW Lonsdale to 3 SW Lonsdale to 5 W Castle Rock to 5 H Lonsdale to 5 H H Lonsdale to 5 H H Lonsdale to 5 H H H H Lonsdale to 5 H H H H H H H H H H H H H H H H H H H | MINNESOTA, Centra | al and | South Centr | al | | | | | | |
| 3 SW Lonside 29 1890 CST 1812 CST 0.1 200 0 0 Dranado (F1) Rice Connty tousdale too 29 1816 CST 5 440 0 0 20M Tornado (F2) S E Lonsdale 29 1816 CST 5 440 0 0 20M Tornado (F2) S W Castle Rock 29 1825 CST 3 440 0 0 Hain (1.00) Dakota County Farmington 29 1825 CST 3 440 0 0 Hain (1.00) Dakota County 4.5 SW Hastings 1 100 0 0 Hain (1.00) Dakota County 1.848 CST 1 100 0 0 Hain (2.00) MX2041-047-048- Doughas - Stevens - Pop - Lac Qui Parle - Swift - Chippewa - Yellow Medicine 2000 CST 0 Heavy snow 054-056-064 11 1100 CST 0 0 Heavy Snow 1000CST 0 0 Heavy Snow 1000 CST | | | | | | | | | | |
| Lonedate to 5 & Lonset 29 18.16CST 1824 CST 5 w 440 0 0 20M Tornado (P2) 5 & Lonset Four homes and 6 businesses severely damaged. Street department building damaged. 20 farms damaged or destroyed Dakota County 5 w Castle Rock to 1833 CST 3 440 0 0 Tornado (P2) 2 W Castle Rock to 2 W Castle Rock 1833 CST 3 440 0 0 Hail (1.00) Pakota County - - Four homes and (F2) Hail (1.07) Pakota County - - Four homes and Four head (F2) Four head (F2) S & W Hastings 29 1843 CST 1 100 0 Hail (1.00) A SS W Hastings 29 1843 CST 1 100 0 Hail (2.00) MNX041-047.5048 Douglas - Stevens - Pope - Lac UU Parle - Swift - Chipwar - Yellow Medicine Heavy Snow Heavy Snow 20102-012-019-020- Dorthern Cosk / Northern Lake - Central SL Louis - Southern Ait in - Southern SL Louis / Carlton Southern SL Louis / Carlton 012-012-019-020- Dorde Carly spring storn dropped to 9 inches of wet, heavy snow i a 0 mile wide hand from about Pine River | | 29 | | 0.1 | 200 | 0 | 0 | | Tornado (F1) | |
| S F. Lonsdale IB24CCT For theomes and 6 businesses severely damaged. Street department building damaged. 20 farms damaged or destoyed Dakota County S W Castle Rock 1 1833CST 3 440 0 0 Tornado (F2) 2 W Castle Rock 1 1833CST 0 0 Hail (1.00) Dakota County - - - Tornado (F2) Estiman 29 1838CST 1 100 0 Hail (1.07) Dakota County - - Tornado (P0) - Tornado (P0) 5 S W Hasting to 29 1843CST 1 100 0 - Hail (2.00) Dakota County - - - Tornado (P0) - Hail (2.00) S S W Hasting to 29 1843CST 0 0 Heavy Snow - Ostoo County - 100CST 0 0 Heavy Snow - | Rice County | | | | | | | | | |
| Tori homes and 6 businesses severely damaged. Street department building damaged. 20 farms damaged or destroyed 5 W Castle Rock o 2 1833CST 3 440 0 0 Tornado (F2) 2 W Castle Rock o 1 1833CST 0 0 Hail (1.00) Dakota County - - - - - - 7 StSW Hastings to 29 1833CST 1 100 0 0 Hail (1.07) Dakota County - <td>Lonsdale to</td> <td>29</td> <td></td> <td>5</td> <td>440</td> <td>0</td> <td>0</td> <td>20M</td> <td>Tornado (F2)</td> <td></td> | Lonsdale to | 29 | | 5 | 440 | 0 | 0 | 20M | Tornado (F2) | |
| Dakota County 29 1825CST 3 440 0 0 Tornado (F2) 2 W Castle Rock 29 1830CST 0 0 Hail (1.00) Dakota County Farmington 29 1830CST 0 0 Hail (1.00) Dakota County Farmington 29 1838CST 0 0 Hail (1.75) Dakota County 5.5 W. Hastings 19 1848CST 100 0 Hail (2.00) Dikota County Farmington 29 1843CST 0 0 Hail (2.00) MNZ041-0475045. Douglas - Stevens - Pope - Lac Qui Parle - Swift - Chippewa - Yellow Medicine 054-056-064 31 1100CST 0 Heavy Snow Q55-026-033-037 3 1600CST 0 Heavy Snow 1600CST 1423SUGST 0 0 Heavy Snow An early spring storm dropped 6 to 9 inches of wet, heavy snow in a 60 mile wide band from about Pine River to Guinchedge and Babic power and Guminor structural damage wound down during the morning hours of April 1. The greatest snowfall was 92.1 more structured damines wou | 5 E Lonsdale | Fourl | | nesses sever | alv damaged | Street departs | nent huild | ling damaged 20 fa | ms damaged or destroyed | |
| 5 W Castle Rock 29 B32CST 3 440 0 0 Tornado (P2) Le Steur County 1830CST 0 0 Hail (1.00) Dakota County 1 0 0 Hail (1.00) Dakota County 1 0 0 Hail (1.75) Dakota County 1 100 0 Hail (1.00) AS W Hastings 29 1843CST 1 100 0 Hail (2.00) MX2041-047:048 Douglas - Stevens - Pope - Lac Qui Parle - Swift - Chippewa - Yellow Medicine 054:056-064 1 Hail (2.00) MX2014-1047:048 Douglas - Stevens - Pope - Lac Qui Parle - Swift - Chippewa - Yellow Medicine 054:056-064 1 Heavy snow of 6 to 11 inches. Schools closed in the Dawson and Boyd areas. 9 inches reported at Canby and Glenwood MINNEOT2-1019-020 Northerr Cook / Northern Lake - Central St. Louis - Southern Cass - Southern Ita 0.52:026-033:037 1 1000CST Heavy Snow 2359CST 0 0 Heavy Snow 1 1600CST Heavy Snow 1 007:0000010050- Southern Cass - Crow Wing - Northern Aitkin - Southerst Dita <t< td=""><td>Dakota County</td><td>Touri</td><td>nomes and o busi</td><td>incises seven</td><td>ciy damaged.</td><td>Succi departi</td><td></td><td>ing damaged. 20 fai</td><td>ins damaged of destroyed.</td><td></td></t<> | Dakota County | Touri | nomes and o busi | incises seven | ciy damaged. | Succi departi | | ing damaged. 20 fai | ins damaged of destroyed. | |
| Le Steur County 29 1830CST 0 0 Hait (1.00) Dakota County 55.55W Hastings to 29 1843CST 1 100 0 0 Tornado (F0) 4.55W Hastings to 29 1843CST 1 100 0 0 Tornado (F0) 4.55W Hastings to 29 1843CST 1 100 0 0 Hait (2.00) MX2041-047:048 Douglas - Stevens - Pope - Lac Qui Parle - Swift - Chippewa - Yellow Medicar 1 1000CST 0 Heavy Snow 025-026-033 31 1100CST 0 0 Heavy Snow 1 025-026-033-03T Southern Case - Corew Wing - Northern Aitkin - Southern Case - Northern St. Louis - Southern Case - Corew Wing - Northern Aitkin - Southern St. Louis - Southern Case - Corew Wing - Northern Aitkin - Southern St. Louis - Southern Case - Corew Wing - Northern Aitkin - Southern St. Louis - Carlon 1 1 31 1000CST 0 Northern Cook / Northern Ease - Central St. Louis - Southern St. Louis - Carlon 1 1 32 1000CST 0 0 IEavy Snow 2300CST 1 1000 Northern Cose - Northern Aitkin - Southern St. Louis - Southern Case - Corew Wing - Northern Aitkin - Southern St. Louis - Southern Case - Corew Wing - Northern Aitkin - S | 5 | 29 | 1825CST | 3 | 440 | 0 | 0 | | Tornado (F2) | |
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| 2200CST MINNESOTA, Northeast MNZ012-019>020- 025>026-033>037 Northern Cook / Northern Lake - Central St. Louis - Southern Lake - Northern Cass - Southern Ita Southern Cass - Crow Wing - Northern Aitkin - Southern Aitkin - Southern Xit, Ouis / Carlton 31 1 1600CST 2359CST 0 0 0 Heavy Snow An early spring storm dropped 6 to 9 inches of wet, heavy snow in a 60 mile wide band from about Pine River to Gu including Duluh and the Iron Range. Strong winds gusting over 50 mph also produced near-blizzard conditions and to trees that were burdened with the wet, heavy snow. Some of these falling trees, in turn, caused minor structural damag wound down during the morning hours of April 1. The greatest snowfall was 9.5 inches at Floodwood. Other reports inches in Babbit, Cloquet, and Brainerd and around 6 inches at Duluth, Tower, and Gunflint Lake. MININESOTA. Northwest MNZ001>005- 007>008-013>015-022- 027 West Polk - Norman - Clay - Kittson - Roseau - West Marshall - East Marshall - Pennington - Red 1 200CST 0 A strong cold front moved south from Canada across eastern North Dakota and northwest Minnesota, creating grot conditions. The front moved quickly from north to south, driven by a strong pressure gradient, but dropped little snow visibilities were created as the wind picked up the top crust of snow. After the initial burst of 1 inches wind, visibil improved. Hallock reported a gust to 46 mph, crookston had a gust to 46 mph, and Fergus Falls had a gust to 51 mph. wind damaged a church roof in Moorhead. MNZ0022>023-027>030 Mahomen - South Clearwater - West Becker - East Becker - Wilkin - West Otter Tal 3 1 700CS | 054>056-064 | | 1100 000 | | | 0 | <u>^</u> | | | |
| Heavy snow of 6 to 11 inches. Schools closed in the Dawson and Boyd areas. 9 inches reported at Canby and Glenwood MINESOTA. Northerast MNZ012-019>020- 025>026-033>037 Northern Cass - Crow Wing - Northern Aitkin - Southern Aitkin - Southern St. Louis / Carlton 31 1600CST 0 0 0 Heavy Snow 2359CST O 0 Heavy Snow An early spring storm dropped 6 to 9 inches of wet, heavy snow in a 60 mile wide band from about Pine River to Gu including Duluth and the fron Range. Strong winds gusting over 50 mph also produced near-bilzzard conditions and to trees that were burdened with the wet, heavy snow. Some of these falling trees, in turn, caused minor structural damag wound down during the morning hours of April 1. The greatest snowfall was 9.5 inches at Floodwood. Other reports inches in Babbit, Cloquet, and Brainerd and around 6 inches at Duluth, Tower, and Gunflint Lake. MIXNESOTA. Northwest West Polk - Norman - Clay - Kittson - Roseau - West Marshall - East Marshall - Pennington - Red 1 2007-5008-013>015-022 Vest Polk - Norman - Clay - Kittson - Roseau - West Marshall - East Marshall - Pennington - Red 1 200CST D MXZ0012-005- 007 O 15K Bilizzard 007-5008-013>025-022- 027 13 0900CST 0 15K Bilizzard 007-5008-013>025 Gold from moved quickly from north to south, driven by a strong pressure gradient, but dropped little snow visibilities were created as the wind picked up the top crust of snow. After the initial burst of intenes wind, visibil improved. Hallock reported a gust to | | 31 | | | | 0 | 0 | | Heavy Snow | |
| MINNESOTA. Northeast MNZ012-019>020- 025>026-033>037 Northern Cook / Northern Lake - Central St. Louis - Southern Lake - Northern Cass - Southern Ita Southern Cass - Crow Wing - Northern Aitkin - Southern Aitkin - Southern St. Louis / Carlton 31 1 1600CST 0 Heavy Snow 2359CST An early spring storm dropped 6 to 9 inches of wet, heavy snow in a 60 mile wide band from about Pine River to Gu including Duluth and the Iron Range. Strong winds gusting over 50 mph also produced near-blizzard conditions and to trees that were burdened with the wet, heavy snow. Some of these falling trees, in turn, caused minor structural damag wound down during the morning hours of April 1. The greatest snowfall was 9.5 inches at Floodwood. Other reports inches in Babbitt, Cloquet, and Brainerd and around 6 inches at Duluth, Tower, and Gunflint Lake. MINNESOTA. Northwest West Polk - Norman - Clay - Kittson - Roseau - West Marshall - East Marshall - Pennington - Red 1 007>008-013>015-022- 027 13 0900CST 0 15K 0207 13 0900CST 1200CST A strong cold front moved south from Canada across eastern North Dakota and northwest Minnesota, creating grow visibilities were created as the wind picked up the top crust of snow. After the initial bust of intense wind, visibili improved. Hallock reported a gust to 46 mph, Crookston had a gust to 46 mph, and Fergus Falls had a gust to 51 mph. wind damaged a church roof in Moorhead. MNZ022>023-027>030 Mahnomen - South Clearwater - West Becker - East Becker - Wilkin - West Otter Tail 31 1700CST 10 31 </td <td></td> <td>Heavy</td> <td></td> <td>inches. Scho</td> <td>ools closed in t</td> <td>he Dawson a</td> <td>nd Boyd a</td> <td>areas. 9 inches report</td> <td>ted at Canby and Glenwood.</td> <td></td> | | Heavy | | inches. Scho | ools closed in t | he Dawson a | nd Boyd a | areas. 9 inches report | ted at Canby and Glenwood. | |
| MNZ012-019>020- 025>026-033>037Northern Cook / Northern Lake - Central St. Louis - Southern Lake - Northern Cass - Southern Ita Southern Cass - Crow Wing - Northern Aitkin - Southern Aitkin - Southern St. Louis / Carlton 31 1600CST 0 0 Heavy Snow 2359CST 0 0 0 Heavy Snow 2359CST An early spring storm dropped 6 to 9 inches of wet, heavy snow in a 60 mile wide band from about Pine River to Gu including Duluth and the Iron Range. Strong winds gusting over 50 mph also produced near-Diszard conditions and to trees that were burdened with the wet, heavy snow. Some of these falling trees, in turn, caused minor structural damage wound down during the morning hours of April 1. The greatest snowfall was 9.5 inches at Floodwood. Other reports inches in Babbitt, Cloquet, and Brainerd and around 6 inches at Duluth, Tower, and Gunflint Lake.MINNESOTA. NorthwestWest Polk - Norman - Clay - Kittson - Roseau - West Marshall - East Marshall - Pennington - Red I 2007>008-013>015-022- 027West Polk - Norman - Clay - Kittson - Roseau - West Marshall - East Marshall - Pennington - Red I 2000SCST 0 0 15K Blizzard 1200CSTMNZ022>023-027>030Mahnomen - South from Canada across eastern North Dakota and northwest Minnesota, creating grov conditions. The front moved south from Canada across eastern North Dakota and northwest Minnesota, creating grov wisbilities were created as the wind picked up the top crust of snow. After the initial burst of intense wind, visibili improved. Hallock reported a gust to 46 mph, Crookston had a gust to 46 mph, and Fergus Falls had a gust to 51 mph. wind damaged a church roof in Moorhead.MNZ022>023-027-030Mahnomen - South Clearwatter - West Becker - East Becker - Wilkin - West Otter Tail 31 1700CST 0 0 Heavy Snow 2359CSTBands of heavy snow fell as wrap-around precipitation from a low pressure system tracki | MINNESOTA. Northe | - | | | | | - | | · | |
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| fell at Waubun in Mahnomen county. <u>MINNESOTA, Southeast</u> <u>Mower County</u> <u>3 N Austin</u> <u>29</u> <u>1550CST</u> <u>0</u> <u>0</u> <u>12K</u> <u>Hail</u> (1.00) | | • | | | - | | | | • • | |
| MINNESOTA, SoutheastMower County3 N Austin291550CST0012KHail (1.00) | | | | | | | ny, 11 m | enes ten near Tulaby | Lake in Decker county, and | > mene. |
| Mower County 3 N Austin 29 1550CST 0 0 12K Hail (1.00) | MINNESOTA. Southe | | | | • | | | | | |
| 3 N Austin 29 1550CST 0 0 12K Hail (1.00) | | | | | | | | | | |
| Dodge County | 3 N Austin | 29 | 1550CST | | | 0 | 0 | 12K | Hail (1.00) | |
| Havfield 29 1557CST 0 0 Hail (0.88) | Dodge County | 20 | 1 <i>557/</i> /8T | | | Δ | A | | Usil (0.99) | |

| Location | Date | Time Local/ Standard | Path Length (Miles) | Path Width (Yards) | | iber of sons Injured | Estim Dam Property | Character of Storm | March 1998 |
|---|--------|----------------------------|---------------------------|--------------------------|---|----------------------------|--------------------------|---|------------|
| MINNESOTA, Sout | theast | | | | | | | | |
| Olmsted County Salem Corners | 29 | 1600CST | | | 0 | 0 | | Hail (0.88) | |
| Olmsted County Byron | 29 | 1602CST | | | 0 | 0 | | Hail (0.75) | |
| Olmsted County 6 NW Byron | 29 | 1610CST 1615CST | | | 0 | 0 | 40K | Hail (2.50) | |
| Dodge County 5 NE Mantorville | 29 | 1612CST | | | 0 | 0 | | Hail (0.75) | |
| Olmsted County Rochester | 29 | 1614CST | | | 0 | 0 | 20K | Hail (1.00) | |
| Olmsted County Rochester | 29 | 1615CST | | | 0 | 0 | 250K | Hail (1.50) | |
| Olmsted County 2 N Rochester | 29 | 1616CST | | | 0 | 0 | 50K | Hail (2.00) | |
| Dodge County Mantorville | 29 | 1619CST | | | 0 | 0 | 20K | Hail (1.75) | |
| Dodge County 5 NE Mantorville | 29 | 1619CST | | | 0 | 0 | | Hail (0.88) | |
| Wabasha County Zumbro Falls | 29 | 1650CST | | | 0 | 0 | 50K | Hail (1.75) | |
| Wabasha County Wabasha | 29 | 1705CST | | | 0 | 0 | 15K | Hail (0.88) | |
| Wabasha County Lake City | 29 | 1707CST | | | 0 | 0 | | Hail (0.75) | |
| Wabasha County 3 W Wabasha to 2 W Wabasha | 29 | 1707CST 1710CST | 1.5 | 50 | 0 | 0 | | Tornado (F0) enforcement officia | |

Hail the size of dimes to as large as tennis balls was reported by storm spotters and law enforcement officials across parts of southeast Minnesota. The city of Rochester was especially hit hard with significant hail damage to cars and trucks. A tornado touched down briefly near Wabasha as well, but no injuries or damage was reported.

MINNESOTA, Southwest

| Rock County Hardwick | 29 | 1500CST | | | 0 | 0 | | Hail (1.50) |
|-------------------------|---------|---------------------|----------------|----------------|------------|------------|---------------------|---------------------------|
| | 2) | 1300031 | | | U | U | | Hall (1.50) |
| Pipestone County | 20 | 1505007 | | | 0 | 0 | | |
| Edgerton | 29 | 1507CST | | | 0 | 0 | | Hail (2.00) |
| Nobles County | | | | | | | | |
| 2 N Lismore | 29 | 1523CST 1535CST | 0.1 | 75 | 0 | 0 | 400K | Tornado (F2) |
| | A torna | ado destroyed build | lingstrees in | shelter belts. | and nume | rous piece | s of farm equipme | entand killed two cattle. |
| Nobles County | | | | | | | | |
| 3 E Leota | 29 | 1525CST 1530CST | 0.1 | 50 | 0 | 0 | 10K | Tornado (F0) |
| | A torna | ado damaged trees | and a few bui | ldings. | | | | |
| Nobles County | | | | | | | | |
| 2 N Wilmont | 29 | 1528CST | 0.1 | 50 | 0 | 0 | 50K | Tornado (F0) |
| 210 00 1110110 | | 1533CST | 011 | 20 | Ū | Ū | 0.011 | |
| | A torna | ado caused damage | to trees and a | a few building | 28. | | | |
| Murray County | | U | | c c | 2 | | | |
| 3 S Chandler | 29 | 1533CST | | | 0 | 0 | | Hail (1.00) |
| | 2) | 1555651 | | | U | U | | Han (1.00) |
| Nobles County | • | 1525007 | 0.1 | | 0 | 0 | 20077 | |
| 1.5 NW St Killian | 29 | 1535CST | 0.1 | 75 | 0 | 0 | 200K | Tornado (F2) |
| | A 4 | 1545CST | 1 | | | | | 1 |
| | A torna | ado destroyed farm | buildingsuj | prooted nume | rous trees | and overtu | irned a tractor tra | lier. |
| Nobles County | | | | | | | | |
| 3 NE St Killian | 29 | 1545CST 1555CST | 0.1 | 50 | 0 | 0 | 100K | Tornado (F1) |

| Location Time Local/ Path Length Path Width Persons Damage Damage Property Crops Character of Storm MINNESOTA, Southwest A tornado damaged trees and destroyed old farm buildings. A tornado damaged trees and destroyed old farm buildings. 0 0 100K Hail (3.00) Murray County Avoca 29 1545CST 0 0 100K Hail (3.00) Murray County Large hail broke many windows, and damaged vehicles, siding, and roofs. Murray County Hail (3.00) 100K Hail (3.00) | March 1998 |
|--|--|
| Location Date Standard (Miles) (Yards) Killed Injured Property Crops Character of Storm MINNESOTA, Southwest A tornado damaged trees and destroyed old farm buildings. A tornado damaged trees and destroyed old farm buildings. Murray County Avoca 29 1545CST 0 0 100K Hail (3.00) Large hail broke many windows, and damaged vehicles, siding, and roofs. Large hail broke many windows, and damaged vehicles, siding, and roofs. Atornado Atornado | |
| A tornado damaged trees and destroyed old farm buildings. Murray County Avoca 29 1545CST 0 0 100K Hail (3.00) Large hail broke many windows, and damaged vehicles, siding, and roofs. Hail (3.00) 100K Hail (3.00) | |
| Murray County Avoca291545CST00100KHail (3.00)Large hail broke many windows, and damaged vehicles, siding, and roofs. | |
| Avoca291545CST00100KHail (3.00)Large hail broke many windows, and damaged vehicles, siding, and roofs. | |
| Murray County | |
| 7 E Avoca to 29 1550CST 2.5 900 0 0 50K Tornado (F1) 9 E Avoca 1555CST | |
| Cottonwood County | |
| 5 S Westbrook to 29 1555CST 39.5 900 0 3 30M Tornado (F3) 12 N Mountain Lake 1630CST 1630CST | |
| A strong tornado which began in Murray County tracked across Cottonwood County and then further northor destroyed numerous farms, farm equipment, buildings, trees, power lines and poles, vehicles, and other structur vehicle was tossed a hundred yards as it hit the first farm in southwest Cottonwood County. People in the basemer this farm received minor injuries. The tornado also destroyed a church near Jeffers, and destroyed numerous home part of Comfrey, a city which is only partly in Cottonwood County. | res in its path. A t of the house on |
| Murray County 4 SW Fulda 29 1555CST 0.1 50 0 0 50K Tornado (F1) | |
| 1602CST | |
| A tornado damaged trees and destroyed old farm buildings. MNZ071>072-097>098 Lincoln - Lyon - Pipestone - Rock 31 0800CST 0 0 Heavy Snow 2300CST | |
| Wet snow accumulated 6 to 12 inches. | |
| MINNESOTA, West | |
| NONE REPORTED. | |
| MINNESOTA, West Central | |
| MNZ039-046 Traverse - Big Stone 31 1500CST 0 0 Winter Storm 2300CST | |
| Sleet mixed with rain changed over to heavy snow across Big Stone and Traverse counties in the afternoon of the 3 of 7 to 11 inches combined with strong winds of 20 to 40 mph to generate poor visibilities and treachorous making travel almost impossible. Some schools were let out early on the 31st and canceled on April 1st. Also, m sports events were canceled. Some snowfall amounts included, 7 inches at Ortonville, 8 inches at Wheaton, 9 included, and 11 inches at Browns Valley. | road conditions, any activities and |
| MISSISSIPPI, Central | |
| Copiah County | |
| Gallman051422CST0050KLightningLightning struck a house and started a fire. The house was burned to the ground. | |
| Clarke County | |
| Elwood051935CST00Hail (1.00)Clarke County | |
| Clarke County Quitman051941CST00100KHail (1.75)Hail damaged roofs of houses and automobiles. | |
| Clarke County | |
| 15 E Quitman 05 1959CST 0 0 Hail (1.75) Jefferson County Hail (1.75) <td< td=""><td></td></td<> | |
| Lorman 05 2240CST 0 0 Hail (1.75) | |
| Jefferson County Fayette 05 2310CST 0 0 Hail (0.75) | |
| Winston County 6 SW Noxapater062250CST00Hail (0.75) | |
| | |
| Oktibbeha County4 E Starkville062352CST00Hail (1.00) | |

| Location | Dete | Local/ | ~ . | | | | | | March 1998 |
|-----------------------------------|------------------|---|---|---------------------|------------------|---------------|--------------------------|--------------------|------------|
| | Date | Standard | Length (Miles) | Width (Yards) | Persor Killed | ıs Injured | Damage Property Crops | Character of Storm | |
| MISSISSIPPI, Centra | <u>l</u> | | | | | | | | |
| Smith County Mize | 07 | 0445CST | | | 0 | 0 | | Hail (0.75) | |
| Lamar County | | | | | - | - | | | |
| Purvis | 07 Many | 0455CST roofs of houses | and autom | obile were damag | 0 ged. | 0 | 100K | Hail (1.75) | |
| Lincoln County | | | | | | | | | |
| Brookhaven | 07 Many | 0455CST automobiles and | l roofs wer | e damaged. | 0 | 0 | 250K | Hail (1.75) | |
| Lincoln County | - | | | - | | | | | |
| Brookhaven | 07 | 0455CST | | | 0 | 0 | | Hail (0.75) | |
| Forrest County Hattiesburg | 07 | 0501CST | | | 0 | 0 | | Hail (1.00) | |
| Forrest County | | | | | | | | | |
| 3 S Petal | 07 | 0515CST | | | 0 | 0 | | Hail (1.00) | |
| Simpson County Pinola | 07 | 0530CST | | | 0 | 0 | | Hail (1.00) | |
| Lincoln County 3 SW Brookhaven | 07 | 0559CST | | | 0 | 0 | | Hail (0.88) | |
| Simpson County Mendenhall | 07 | 0605CST | | | 0 | 0 | | Hail (0.88) | |
| Warren County Vicksburg | 07 | 0650CST | | | 0 | 0 | | Hail (0.75) | |
| Madison County Madison | 07 | 0700CST | | | 0 | 0 | | Hail (0.75) | |
| Issaquena County | | | | | | | | | |
| Fitler | 07 | 0740CST | | | 0 | 0 | | Hail (0.75) | |
| Lincoln County 2 N Brookhaven | 07 | 1247CST | | | 0 | 0 | | Hail (0.88) | |
| Simpson County D Lo | 07 | 2000CST | | | 0 | 0 | | Flash Flood | |
| DLO | | 2100CST 2100CST al small creeks o | ver spilled | their banks. | U | U | | Flash Flood | |
| Smith County | | | · • • • • • • • • • • • • • • • • • • • | | | | | | |
| 2 W Raleigh | 07 | 2000CST 2100CST | | | 0 | 0 | | Flash Flood | |
| | Roads | were flooded. V | Vater was l | knee deep in seve | ral places. | | | | |
| Lamar County | | | | | 0 | 0 | | | |
| Purvis | 07 08 Monu | 2005CST 0200CST | dad thuan a | hout the country of | 0 | 0 | out of their banks. | Flood | |
| Covington County | wany | Toaus were moo | ueu unougi | nout the county a | nu severai crei | eks were | out of their ballks. | | |
| Collins | 07 | 2030CST 2130CST | | | 0 | 0 | | Flash Flood | |
| | Severa | al roads were flo | oded. | | | | | | |
| Jones County | | | | | | | | | |
| Laurel | 07 | 2030CST 2230CST | CI | | 0 | 0 | | Flash Flood | |
| | Many | roads and street | s were floo | ded. | | | | | |
| Forrest County Hattiesburg | 07 08 | 2100CST 0200CST | | | 0 | 0 | 50K | Flood | |
| | | | flooded an | d several creeks | spilled out of t | heir ban | ks. Several houses had | l water in them. | |
| MSZ044>045-047-057 | | e - Neshoba - | | | | | | | |
| | 16 17 | 2330CST 2330CST | | - | 0 | 0 | 95K | High Wind (G | 40) |
| a a | One b | uilding was dest | royed and s | several other wer | e damaged. Ti | ees were | e blwon down through | out the county. | |
| Copiah County Crystal Spgs | 19 | 1700CST | | | 0 | 0 | | Hail (1.00) | |

| | | Time | Path | Path | Number | r of | Estimated | Mar | ch 1998 |
|------------------------------------|-------------|------------------------------|-------------------|-------------------|----------------|---------|--------------------------|--|---------|
| Location | Date | Local/ Standard | Length (Miles) | Width (Yards) | Persor | | Damage Property Crops | Character of Storm | |
| MISSISSIPPI, Centra | 1 | Standard | (111105) | (Turus) | 111100 | injureu | Topeny crops | | |
| Lincoln County 7 S Brookhaven | 19 | 1753CST | | | 0 | 0 | | Hail (0.88) | |
| Lincoln County | | | | | | | | | |
| 3 SE Brookhaven Webster County | 19 | 1800CST | | | 0 | 0 | | Hail (0.75) | |
| 4 N Eupora Oktibbeha County | 19 | 1809CST | | | 0 | 0 | | Hail (1.00) | |
| 10 S Starkville | 19 | 1943CST | | | 0 | 0 | | Hail (0.75) | |
| Kemper County 2 S Preston | 19 | 2025CST | | | 0 | 0 | | Hail (0.88) | |
| Noxubee County Macon | 19 | 2045CST | | | 0 | 0 | | Hail (0.75) | |
| Scott County | 17 | 2010001 | | | Ū | Ū | | Hun (0.75) | |
| 4 S Morton | 31 Sever | 1325CST al trees were blo | wn down. | | 0 | 0 | 2K | Thunderstorm Wind | |
| Smith County | | | | | | | | | |
| Burns | 31 Trees | 1335CST and power lines | were blow | vn down. | 0 | 0 | 3K | Thunderstorm Wind | |
| Newton County | 31 | 1415CST | | | 0 | 0 | 3K | These desired and a state of the state of th | |
| 5 NE Newton | | al trees and pow | er lines we | ere blown down. | U | U | JK | Thunderstorm Wind | |
| Newton County | 21 | 1455007 | | | 0 | 0 | | | |
| Decatur | 31 Sever | 1455CST al trees and pow | er line wer | e blown down. | 0 | 0 | 3K | Thunderstorm Wind | |
| Jones County | | - | | | | | | | |
| Laurel MISSISSIDDI North | 31 | 1835CST | | | 0 | 0 | | Hail (1.00) | |
| MISSISSIPPI, North Union County | | | | | | | | | |
| 5 SE Keownville | 05 06 | 2255CST 2300CST | | | 0 | 0 | 0.05K | Hail (0.88) | |
| Lee County | 00 | 2300031 | | | | | | | |
| Baldwyn | 05 06 | 2312CST 2317CST | | | 0 | 0 | 0.10K | Hail (1.00) | |
| Chickasaw County | 00 | 2317031 | | | | | | | |
| Woodland | 05 06 | 2320CST 2325CST | | | 0 | 0 | 0.50K | Hail (1.50) | |
| | | | l reached a | depth of 2 to 3 i | nches on the g | round. | | | |
| Itawamba County | | | | | 0 | | 0.0477 | | |
| Fulton | 05 06 | 2320CST 2325CST | | | 0 | 0 | 0.01K | Hail (0.75) | |
| | Dime | size hail covere | d the grour | nd. | | | | | |
| Itawamba County Fulton | 05 | 2344CST | | | 0 | 0 | 0.10K | Hail (1.00) | |
| | 06 | 2349CST | | | | | | | |
| Itawamba County Mantachie | 05 | 2344CST | | | 0 | 0 | 1K | Thunderstorm Wind | |
| | 06 | 2349CST al trees were blo | wn down | | | | | | |
| Lowndes County | 50.01 | | uo min | | | | | | |
| (Cbm)Columbus Afb | 06 | 0025CST 0030CST | | | 0 | 0 | 0.11K | Hail (1.00) | |
| Chielesson Comme | Hail r | ranged in size fro | om dime to | quarter. | | | | | |
| Chickasaw County 1 W Okolona | 06 | 0115CST | | | 0 | 0 | 0.10K | Hail (1.00) | |
| Lowndes County | | 0120CST | | | | | | | |
| 4 W Columbus | 07 | 0000CST 0005CST | | | 0 | 0 | 0.01K | Hail (0.75) | |
| | | 0005051 | | | | | | | |

| | S | Storm D | ata ar | nd Unu | sual W | eath | er Pheno | omena |
|-----------------------------------|---------------------------|---|--|---|--|----------------------------------|---|---|
| Location | Date | Time Local/ | Path Length | Path Width | Numbe Perso | ns | Estimated Damage | March 1998 |
| | Dute | Standard | (Miles) | (Yards) | Killed | Injured | Property Crop | OS Character of Storm |
| MISSISSIPPI, North | | | | | | | | |
| Yalobusha County Water Vly | 17 A lar | 0130CST 0135CST ge greenhouse w | vas blown do | wn. Several tre | 0 ees were also ki | 0 nocked de | 5K | Thunderstorm Wind |
| Lafayette County | | 0 0 | | | | | | |
| Countywide | 17 Many | 0200CST 0215CST | n lin oo wono l | luncated down | 0 through out the | 0 | 10K | Thunderstorm Wind |
| Chielescow County | Many | y trees and powe | er lines were | knocked down | throughout the | county. | | |
| Chickasaw County Houston | 19 | 1825CST 1830CST | | | 0 | 0 | 0.75K | Hail (1.75) |
| Lowndes County 2 W Columbus | 19 | 2020CST 2025CST | | | 0 | 0 | 0.01K | Hail (0.75) |
| MISSISSIPPI, South | | | | | | | | |
| Jackson County Pascagoula | 05 Lighti | 1130CST ning struck and | sheared off a | a 60 foot utility | 0 y pole resulting | 0 in an ex | tensive power outa | Lightning ge, up to 7 hours, in Pascagoula, Ocean |
| | Spring | gs and Gautier. | | | | | - | |
| Hancock County Pearlington | 06 | 1405CST | | | 0 | 0 | | Hail (1.75) |
| Pearl River County Poplarville | 07 A hou | 0523CST use fire started b | y lightning c | aused extensiv | 0 e damage. | 0 | 90K | Lightning |
| Hancock County 2 N Kiln | 07 Quart | 0545CST er size hail was | reported at so | everal location | 0 s around the co | 0 unty. | | Hail (1.00) |
| Hancock County | | | • | | | • | | |
| Countywide | 07 08 | 1200CST 0100CST | | | 0 | 0 | | Flash Flood |
| Harrison County | 07 | 1000000 | | | 0 | 0 | | |
| Countywide | 07 08 | 1200CST 0100CST | | | 0 | 0 | | Flash Flood |
| Jackson County | | | | | | | | |
| Countywide | alread street tides | ly saturated from flooding was re along the coast | n 1.5 to 3 inc eported in ma which restrie | ches of rain that any communiti cted runoff fro | t had occurred es, especially om drainage ca | the prev near the nals and | ious day, therefore the coast. Strong so small streams into | Flash Flood long the Mississippi Coast. The soil was there was extensive runoff. Widespread outherly winds resulted in above normal the Gulf. A number of houses in each ne residents evacuated. |
| Hancock County Logtown | 07 | 2100CST | | | 0 | 0 | | Hail (1.75) |
| Hancock County Bay St Louis | 07 | 2100CS1 2125CST | | | 0 | 0 | | Hail (1.75) |
| Harrison County | 07 | 2123031 | | | v | v | | Han (1.73) |
| Pass Christian | 07 | 2130CST | | | 0 | 0 | | Hail (1.75) |
| Hancock County Pearlington | 07 | 2130CST | | | 0 | 0 | | Hail (1.75) |
| Harrison County Long Beach | 07 | 2142CST | | | 0 | 0 | | Hail (1.75) |
| Long Deach | | | | | v | U | | 11an (1.73) |

09 1200CST Heavy rainfall of 5 to 8 inches during the past several days caused several rivers along the Mississippi Coast to exceed flood stage and result in considerable low land flooding. The following rivers reached crest stage on March 8, 1998: Biloxi River at Lyman - 15.4 feet, flood stage 12.0 ft; Tchoutacabouffa River at D'Iberville - 12.0 ft, flood stage 8.0 ft; Wolf River near Gulfport - 10.3 ft, flood stage 8.0 ft.

0

Flood

0

MSZ081>082

Harrison - Jackson

0100CST

08

| | St | torm I | Data a | nd Unu | sual W | eath | er Phenon | nena |
|--|--|---|---|--|---|---|--|--|
| | | Time Local/ | Path Length | Path Width | Number Person | | Estimated Damage | March 199 |
| Location | Date | Standard | (Miles) | (Yards) | | Injured | Property Crops | Character of Storm |
| MISSISSIPPI, South | <u>east</u> | | | | | | | |
| Greene County | | 1000 000 | - | | 0 | | | |
| Mc Lain to Leakesville | 05 | 1338CS 1430CS | | | 0 | 0 | 80K 20K | Hail (2.75) |
| | storm r hail alc about f thrown through still vis across and sid The arc who liv were fa | re thundersto noved just no ong its track ive miles wit them on the nout the city. tible the next the top with ing chipped ea where the yed in mobil acing south a | orm develope orth of State I from McLain de. Pine neec ground). T The elemen day along th jagged edges by the hail. baseball hail e homes had und west wer | Highway 57 bef- to Leakesville. Illes and leaves whe most severe tary school in I te shady sides o . Almost every People who had was observed w very visible dir | ore dissipating of There was bas vere stripped fro damage was ar eakesville repo f buildings. Per vehicle, that was a screened porch vas not heavily ngs in them. So a large hail. Th | east of L seball size ound the rted hail rsons wh as outsid hes facin populate everal ve nis was t | eakesville. The thund ze hail reported near t (it looked like someo e city of Leakesville. d drifts to the bottom to observed the hail suff ag south and west had ed. Residents in this a chicles had their wind | I moved east across the county. The lerstorm dropped dime to golfball she prison. The swath of damage want had put the leaves in a blender a Hail depth was six to twelve inch of the school; swindows. Drifts was id it was flat on the bottom and or ered damage. Many homes had pa the screens ripped apart by the ha wea who had homes with tin roofs shields broken. Many windows the across the county since the National the screens ripped apart by the half and the screens ripped apart by the half and the screens the source of the screens ripped apart by the half area who had homes with tin roofs shields broken. Many windows the screens the source of the screens ripped apart by the screens the screens ripped apart by the screens ripped |
| Perry County | weath | | neu keeping | severe weather | lecolus III 1950. | • | | |
| Kittrell | 05 Dime s | 1945CS 1946CS ize hail was | | Kittrell | 0 | 0 | | Hail (0.75) |
| Stone County | Dinie | | eponeu neu | | | | | |
| Perkinston | 06 Dime s | 1515CS 1516CS | Г | southwest of Pe | 0 rkinston | 0 | | Hail (0.75) |
| Wayne County | Diffie s | ize nan was | reported just | southwest of re | IKIIIStoff. | | | |
| Mulberry | 07 Dime s | 0600CS 0601CS ize hail was | | Mulberry. | 0 | 0 | | Hail (0.75) |
| George County | | | 1 | , | | | | |
| Lucedale | 07 | 2125CS 2126CS | | Lucedale | 0 | 0 | | Hail (0.75) |
| Greene County | Diffic 5 | ize nan was | reported near | Eucedaic. | | | | |
| Pisgah | 07 | 2142CS 2144CS | | Disgob | 0 | 0 | | Hail (0.75) |
| Greene County | Diffie s | ize nan was | reported fiear | r isgaii. | | | | |
| 5 SE Kittrell | 31 | 1930CS 1931CS | Г | | 0 | 0 | | Hail (0.75) |
| MIGGOUDI E4 | Dime s | ize hail was | reported along | g County Road | 57 near Knobto | wn. | | |
| MISSOURI, East MOZ009>010- 018>019-026>027- 034>036-041>042- 047>052-059>065- 072>073-084 | Cole - | Osage - Ca uis (C) - Je | allaway - M fferson - C | | Lincoln - Ga | sconad | | one - Audrain - Moniteau - harles - Franklin - St. Louis - |
| | 08 09 | 2200CS 1200CS | Г | | 0 | 0 | | Winter Storm |
| | Missou of the n crawl th | ri. The heavi najor highwa ne morning o | est snow fell ys, including f the 9th. Sev | from central int Interstate 70 fro | o northeast Mis om Columbia to arred in traffic a | souri wh St. Loui | here amounts averaged is and Highway 61 fro | ast central and parts of south cent from 4 to 6 inches. Traffic on mar m St. Louis to Hannibal, slowed to . An 84 year old woman in Columb |
| Franklin County Countywide | 20 | 0430CS 1000CS | | | 0 | 0 | | Urban/Sml Stream Fld |
| Gasconade County Countywide | 20 | 0430CS 1000CS | Г | | 0 | 0 | | Urban/Sml Stream Fld |

| | | Time Local/ | Path Length | Path Width | Number Persor | | Estimated Damage | March 1998 |
|--------------------------------|-----------------------|-----------------------------|----------------|---------------------------------------|-----------------------|----------------|--------------------------|---|
| Location | Date | Standard | (Miles) | (Yards) | | Injured | Property Crops | Character of Storm |
| MISSOURI, East | | | | | | | | |
| Jefferson County | | | | | | | | |
| Countywide | 20 | 0430CST 1000CST | | | 0 | 0 | | Urban/Sml Stream Fld |
| Warren County | | | | | | | | |
| Countywide | 20 Over | 0430CST 1000CST | 2 inches m | no du cod main on fl | 0 | 0 | ssings have improve | Urban/Sml Stream Fld able and some small streams rose ou |
| | of thei | ir banks. Count | y roads AK | | anklin County | were clo | osed for a while as we | ere a few county roads in Gasconad |
| Boone County Columbia | 27 | 1555CST | | | 0 | 0 | | Thunderstorm Wind (G51) |
| Boone County | 21 | 1555051 | | | U | U | | Thunderstorm wind (G31) |
| Columbia | mobile | | troyed and | | | | | Thunderstorm Wind (G51) the Columbia area. The porch of a barn just outside of town lost its roo |
| Osage County | | | | | | | | |
| Freeburg | 27 Wind | 1601CST gusts from a lin | ne of thunde | erstorms blew the | 0 e camper off a j | 0 pickup tr | ruck. A truck trailer wa | Thunderstorm Wind (G50) as also damaged. |
| Gasconade County | | | | | | | | |
| Bland | 27 Thund | 1620CST lerstorm wind g | gusts downe | ed trees. | 0 | 0 | | Thunderstorm Wind (G50) |
| Boone County Centralia | 27 Thund | 1620CST derstorm winds | downed tre | es across the are | 0 a. One tree bloo | 0 cked Roi | ute CC on the west side | Thunderstorm Wind (G50) e of town. |
| Gasconade County | | | | | | | | |
| Hermann | 27 | 1620CST | | | 0 | 0 | | Thunderstorm Wind (G51) |
| Gasconade County Owensville | Herma | unn was blown | off and dam | naged a nearby h | ouse. In Owens | sville, tre | | Thunderstorm Wind (G51) f of the Knights of Columbus Hall in ister and Buschmann Parks. The roo |
| Audrain County | | | | | | | | |
| 15 NW Mexico | 27 Trees | 1625CST were blown do | wn alone R | oute 151, | 0 | 0 | | Thunderstorm Wind (G50) |
| Monroe County | 27 | 1/25/097 | | | 0 | 0 | | |
| Monroe City | | | | ved a car wash, c ons Park was als | | 0 ge and tl | he roofs of several host | Thunderstorm Wind (G51) mes. Trees and power lines were als |
| Audrain County | | | | | | | | |
| Farber | 27 Thund | 1640CST lerstorm wind g | gusts broke | some windows. | 0 | 0 | | Thunderstorm Wind (G50) |
| Montgomery County | | | | | | | | |
| Bellflower | 27 Wind | 1643CST gusts from a lin | ne of thunde | erstorms downed | 0 trees in the Be | 0 llflower | area. | Thunderstorm Wind (G51) |
| Lewis County | | | | | | | | |
| Canton | 27 Thund destro | | gusts broke | some windows | 0 and downed a | 0 few tree | es in Canton. A few s | Thunderstorm Wind (G50) torage sheds west of town were als |
| Franklin County | | 5 | | | | | | |
| 12 W Union | 27 Wind | 1650CST gusts from a lin | ne of thunde | erstorms downed | 0 trees across we | 0 est Frank | klin County. | Thunderstorm Wind (G51) |
| Warren County | | | | | | | - | |
| | | | | | | | | |
| Warrenton Warren County | 27 | 1650CST | | | 0 | 0 | | Thunderstorm Wind (G50) |

| | | Time Local/ | Path Length | Path Width | Numbe Persor | | Estimated Damage | March 19 |
|--|-------------------------|---|----------------|---------------------------------------|-----------------------------|----------------|---------------------------|---|
| Location | Date | Standard | (Miles) | (Yards) | | Injured | | Character of Storm |
| MISSOURI, East | | | | | | | | |
| Pike County Bowling Green | 27 The ro | 1705CS1 | | d by thunderstor | 0 m wind gusts. | 0 | | Thunderstorm Wind (G51 |
| St. Charles County Lake St Louis | 27 | 1705CST | | | 0 | 0 | | Thunderstorm Wind (G50 |
| St. Charles County O Fallon | 27 | 1720CST | 1 | | 0 | 0 | | Thunderstorm Wind (G50 |
| St. Charles County St Charles | | | gusts downed | d trees mainly ad | | | | Thunderstorm Wind (G50 lown down along Highway 37 |
| Lincoln County Troy | 27 Thund | 1723CST lerstorm wind | | d some power p | 0 oles and lines. | 0 | | Thunderstorm Wind (G52 |
| St. Louis County Chesterfield | | 1725CST oof of an industone Bridge. | | g near Spirit of | 0 St. Louis Airpo | 0 ort was b | blown off. Trees were als | Thunderstorm Wind (G51 to downed along Interstate 64 |
| Jefferson County Hillsboro | 27 Thund | 1725CS1 lerstorm wind | | d some trees nea | 0 ur Hillsboro. | 0 | | Thunderstorm Wind (G50 |
| Scotland County Memphis | 30 | 1842CST | | | 0 | 0 | | Hail (0.75) |
| Monroe County Paris | 30 | 2135CST | | | 0 | 0 | | Hail (0.75) |
| Boone County Hallsville | 31 A few | 1330CST trees and pow | | e downed near H | 0 allsville. | 0 | | Thunderstorm Wind (G50 |
| MISSOURI, Lower | | Ĩ | | | | | | |
| | | E REPORTED | | | | | | |
| <u>MISSOURI, Northwe</u> MOZ031>032- 039>040-044-046-054 | | oll - Charito | n - Saline - | - Howard - Jo | hnson - Coo | per - H | lenry | |
| 0572040-044-040-054 | 08 13 | 0000CST 2359CST | | | 0 | 0 | | Flood |
| | Heavy | rain and snow | on March 8 | th resulted in mi | nor to moderat | e river fl | looding. | |
| | South Urich, | Grand River MO | | | | | | |
| | Flood Above Crest | Stage Flood Stage | | 4 ft 3/8 to 3/12 26.7 ft on 3/8 | | | | |
| | Big Cr Blairst | reek town, MO | | | | | | |
| | Flood Above Crest | Stage Flood Stage | 3 | 0 ft 3/8 to 3/9 23.2 ft on 3/8 | | | | |
| | | nda Creek lton, MO | | | | | | |
| | Flood Above Crest | Stage Flood Stage | | 20 ft 3/8 to 3/9 21.9 ft on 3/9 | | | | |

| Storm Data and Unu | sual Weather Phenomena |
|--------------------|------------------------|
|--------------------|------------------------|

| Location | Time Local/ Date Standard | Path Length (Miles) | Path Width (Yards) | Number of Persons Killed Injured | Estimated Damage Property Crops | Character of Storm | March 1998 |
|--------------|---|---------------------------|---|--|---------------------------------------|--------------------|------------|
| MISSOURI, No | orthwest | | | | | | |
| | Grand River Sumner, MO | | | | | | |
| | Flood Stage Above Flood Stage Crest | | 26 ft 3/8 to 3/10 30.95 ft on 3/9 | | | | |
| | Brunswick, MO | | | | | | |
| | Flood Stage Above Flood Stage Crest | | 19 ft 3/9 Estimated 19.0 f | ìt | | | |
| | Petite Saline Creek Boonville, MO | | | | | | |
| | Flood Stage Above Flood Stage Crest | | 16 ft 3/8 to 3/9 18.81 ft on 3/8 | | | | |
| | Blackwater River Valley City, MO | | | | | | |
| | Flood Stage Above Flood Stage Crest | | 22 ft 3/9 Estimated 27.3 | 3 ft | | | |
| | Blue Lick, MO | | | | | | |
| | Flood Stage Above Flood Stage Crest | | 24 ft 3/8 to 3/13 30.23 ft on 3/ | 11 | | | |
| | Lamine River Otterville, MO | | | | | | |
| | Flood Stage Above Flood Stage Crest | | 15 ft 3/8 to 3/9 18.32 ft on 3 | 3/9 | | | |
| | Moniteau Creek Fayette, MO | | | | | | |
| | Flood Stage Above Flood Stage Crest | | 16 ft 3/8 to 3/9 16.2 on 3/8 | | | | |

MOZ023-032-044-046- Livingston - Chariton - Johnson - Cooper - Henry 054 15 0000CST 0

| 23 2359CST Minor to moderate riv | er flooding occurred during the middle of Ma | rch. |
|-------------------------------------|--|------|
| South Grand River Urich, MO | | |
| Flood Stage | 24 ft | |

0

Flood

| Location | Date | Time Local/ Standard | Path Length (Miles) | Path Width (Yards) | Numbe Persc Killed | | Estimated Damage Property Crops | Character of Storm | March 1998 |
|--|-----------------|-------------------------------|---------------------------|--|--------------------------|------------|---------------------------------------|--------------------|---------------|
| MISSOURI, Northwe | est | | | (1.1.1.) | | J | | | |
| | | e Flood Stage | | 5.4 ft on 3/17 | | | | | |
| | Big C Blairs | freek stown, MO | | | | | | | |
| | | l Stage e Flood Stage | | : 17 to 3/18 (stimated 23.0 ft | on 3/17 | | | | |
| | | l River cothe, MO | | | | | | | |
| | | l Stage e Flood Stage | | ft 5/17 to 3/20 9.71 ft on 3/18 | | | | | |
| | Sumn | er, MO | | | | | | | |
| | | l Stage e Flood Stage | 2 | 26 ft 3/18 to 3/23 34.87 ft on 3/1 | 9 | | | | |
| | Bruns | swick, MO | | | | | | | |
| | | l Stage e Flood Stage | | 19 ft 3/19 to 3/22 21.45 ft on 3/ | 20 | | | | |
| | | Saline Creek ville, MO | | | | | | | |
| | | l Stage e Flood Stage | | ft 3/17 to 3/20 18.1 ft on 3/18 | | | | | |
| | | water River y City, MO | | | | | | | |
| | | l Stage e Flood Stage | | ft 5.0 ft on 3/7 | | | | | |
| | Blue | Lick, MO | | | | | | | |
| | | l Stage e Flood Stage | | ft 3/17 to 3/21 25.61 ft on 3/20 | | | | | |
| MOZ001>002-014- 020-023-031>032- 037>040-044-046-054 | | ison - Nodaw ard - Johnsor | | | - Livingsto | on - Car | roll - Chariton - J | lackson - Lafayet | te - Saline - |
| | 28 31 | 0000CST 2359CST | | | 0 | 0 | | Flood | |
| | | | er flooding o | occured at the er | nd of March a | s a result | of heavy rains during | g thunderstorms. | |
| | | a Grand River , MO | | | | | | | |

Flood Stage

24 ft

| Location | Time Local/ Date Standard | Path Path Length Width | Number of Persons | Estimated Damage | Character of Storm | March 199 |
|--------------|---|---|----------------------|---------------------|--------------------|-----------|
| MISSOURI, No | Staldard | (Miles) (Yards) | Killed Injured | Property Crops | Character of Storm | |
| MI5500KI, IN | Above Flood Stage Crest | 3/28 to3/31 27.2 ft on 3/31 | | | | |
| | Big Creek Blairstown, MO | | | | | |
| | Flood Stage Above Flood Stage Crest | 20 ft 3/31 23.75 | | | | |
| | Wakenda Creek Carrollton, MO | | | | | |
| | Flood Stage Above Flood Stage Crest | 20 ft 3/31 22.5 ft on 4/1 | | | | |
| | Platte River Agency, MO | | | | | |
| | Flood Stage Above Flood Stage Crest | 20 ft 3/30 to 3/31 24.91 ft on 3/31 | | | | |
| | Grand River Gallatin, MO | | | | | |
| | Flood Stage Above Flood Stage Crest | 26 ft 3/31 27.5 ft | | | | |
| | Chillicothe, MO | | | | | |
| | Flood Stage Above Flood Stage Crest | 24ft 3/31 31.3 ft | | | | |
| | Sumner, MO | | | | | |
| | Flood Stage Above Flood Stage Crest | 26 ft 3/31 35.97 ft | | | | |
| | Brunswick, MO | | | | | |
| | Flood Stage Above Flood Stage Crest | 19 ft 3/31 24.95 ft | | | | |
| | Tarkio River Fairfax, MO | | | | | |
| | Flood Stage Above Flood Stage Crest | 17 ft 3/30 to 3/31 23.1 ft on 3/30 | | | | |
| | 102 River Maryville, MO | | | | | |
| | Flood Stage Above Flood Stage | 14 ft 3/30 to 3/31 | | | | |

| Location | Time Local/ Date Standard | Path Path Length Width (Miles) (Yards) | Number of Persons Killed Injured | Estimated Damage Property Crops | Character of Storm | March 1998 |
|--------------|---|--|--|---------------------------------------|--------------------|------------|
| MISSOURI, No | | | 5 | | | |
| | Crest | 14.8 ft on 3/30 | | | | |
| | Petite Saline Creek Boonville, MO | | | | | |
| | Flood Stage Above Flood Stage Crest | 16 ft 3/31 20.57 ft | | | | |
| | Blackwater River Valley City, MO | | | | | |
| | Flood Stage Above Flood Stage Crest | 22 ft 3/31 Estimated 27.0 ft | | | | |
| | Blue Lick, MO | | | | | |
| | Flood Stage Above Flood Stage Crest | 24 ft 3/31 29.98 ft | | | | |
| | Lamine River Otterville, MO | | | | | |
| | Flood Stage Above Flood Stage Crest | 15 ft 3/31 18.56 ft | | | | |
| | Moniteu Creek Fayette, MO | | | | | |
| | Flood Stage Above Flood Stage Crest | 16 ft 3/31 20.5 ft | | | | |
| | Chariton River Praire Hill, MO | | | | | |
| | Flood Stage Above Flood Stage Crest | 15 ft 3/31 16.79 ft | | | | |
| | Missouri River St. Joseph, MO | | | | | |
| | Flood Stage Above Flood Stage Crest | 17 ft 3/30 to 3/31 20.2 ft on 3/31 | | | | |
| | Atchison, MO | | | | | |
| | Flood Stage Above Flood Stage Crest | 22 ft 3/30 to 3/31 22.6 ft on 3/31 | | | | |
| | Sibley, MO | | | | | |
| | Flood Stage Above Flood Stage | 22 ft 3/31 | | | | |

| | | Time | Path | Path | Number | | Estimated | | March 1998 |
|----------------------------|---------------------|----------------------------|-------------------|------------------|-------------------------|------------------|------------------------|--------------------------------|--------------|
| Location | Date | Local/ Standard | Length (Miles) | Width (Yards) | Person Killed | ıs Injured | Damage Property Cro | ps Character of Storm | |
| MISSOURI, Northw | vest | | | | | | | | |
| | Crest | | | 24.8 ft | | | | | |
| | Napole | eon, MO | | | | | | | |
| | Flood S | | | 17.0 ft | | | | | |
| | Above Crest | Flood Stage | | 3/31 19.87 ft | | | | | |
| | Waver | ly, MO | | | | | | | |
| | Flood S | Stage | | 20 ft | | | | | |
| | Above | Flood Stage | | 3/31 | | | | | |
| | Crest | | | 23.52 ft | | | | | |
| | Miami | , MO | | | | | | | |
| | Flood S | | | 18 ft | | | | | |
| | Crest | Flood Stage | | 3/31 NA | | | | | |
| | Glasgo | ow, MO | | | | | | | |
| | Flood S | Stage | | 25 ft | | | | | |
| | Above Crest | Flood Stage | | 3/31 28.2 ft | | | | | |
| | | ille, MO | | 20.2 ft | | | | | |
| | | | | 24.0 | | | | | |
| | Flood S Above | Stage Flood Stage | | 21 ft 3/31 | | | | | |
| | Crest | - | | 26.76 ft | | | | | |
| Nodaway County | | | | | | | | | |
| Maryville | 30 A seve | 1140CST ere weather spo | | l dime-size hail | 0 during a severe | 0 thunderste | orm in Maryville | Hail (0.75) | |
| Platte County | | - | - | | - | | · | | |
| Platte City | 30 The Pl | 1440CST latte County Sh | | reported golfb | 0 all-size hail duri | 0 ing a sever | e thunderstorm i | Hail (1.75) in Platte City. | |
| Cooper County Boonville | 31 | 1243CST | | | 0 | 0 | | Thunderstor | m Wind (G64) |
| Doonvine | The C | 1245CST ooper County | Sheriff's offi | | ind gust to 64 N | | onville. On the | west side of Boonville, | |
| MISSOURI, Southe | | ter was blown | down resulti | ng in a blocked | roadway. | | | | |
| Butler County | | | | | | | | | |
| Poplar Bluff | 17 | 1835CST 2000CST | | | 0 | 0 | 5K | Urban/Sml S | tream Fld |
| | Heavy | | | riod produced of | over 2 inches of | rain. High | way PP near Pop | plar Bluff was closed b | y flooding. |
| Bollinger County | | | | | - | ~ | | | |
| Zalma | 17 | 1835CST 2000CST | | | 0 | 0 | | Urban/Sml S | tream Fld |
| | • | rains over a 3 | | riod produced 2 | 2 inches of rain | on average | e. Some county r | oads were blocked by | water. |
| MOZ087 | Cape 20 | Girardeau 0700CST | | | 0 | 0 | | Flood | |

The Mississippi River crested at 36.4 feet at Cape Girardeau, where flood stage is 32 feet. This resulted in minor flooding of agricultural bottomlands and river access roads.

| | | Time Local/ | Path Length | Path Width | Number Person | | Estimated Damage | March 1998 |
|---|--|---|---|---------------------------------------|---|----------------------------------|--|--|
| Location | Date | Standard | (Miles) | (Yards) | | Injured | Property Crops | Character of Storm |
| MISSOURI, Southeas | <u>st</u> | | | | | | | |
| MOZ100 | Wayne | e | | | | | | |
| | 20 21 | 1200CST 0900CST | | | 0 | 0 | | Flood |
| | | | crested at 1 | 7.8 feet at Patter | son, which is a | bove the | 16-foot flood stage. | This resulted in minor flooding. |
| MOZ076 | Perry | | | | | | | |
| | 26 | 1000CST 1500CST | | | 0 | 0 | 5K | High Wind (G50) |
| | County, | outh winds av where shingl | es were blov | | 0 0 | | | IPH north of Cape Girardeau in Perry e interaction of low pressure over th |
| Stoddard County | | | | | | | | |
| 3 S Asherville | 27 | 1933CST | | | 0 | 0 | | Thunderstorm Wind (G56) |
| Come Cimenda ou | Thunde | erstorm winds | gusted to 65 | MPH. The gust | was estimated | by a trai | ned spotter. | |
| Cape Girardeau County | | | | | | | | |
| Cape Girardeau | 27 | 2000CST | | | 0 | 0 | 3K | Thunderstorm Wind (G50) |
| - | Thunde | rstorm winds | blew down s | several trees in C | Cape Girardeau | | | |
| Ripley County | 27 | 2017/007 | | | ٥ | 0 | 1017 | H (2.75) |
| 5 N Doniphan to 2 N Doniphan | 27 | 2017CST 2025CST | | | 0 | 0 | 10K | Hail (2.75) |
| - | Highwa | e thunderstori | n cell over F | Cipley County pr | oduced large h | ail. Hail 1 | the size of baseballs of | occurred 2 miles north of Doniphan of |
| AISSOURI, Southwe | <u>est</u> | | | | | | | |
| Ozark County | 08 | 0400CST | | | 0 | 0 | 0 | Flash Flood |
| Rockbridge | 00 | 0400CS1 0700CST | | | U | U | U | Flash Flood |
| | | | | ain fell during the lived due to reco | | | ig low water crossing | s along Highway 95, 4 miles south o |
| Howell County | 17 | 1100CST | | | 0 | 0 | 0 | Flash Flood |
| Countywide | 17 | 2200CST | | | U | U | U | Flash Flood |
| | | | | r the county rest rom late mornin | | | nerous low water cro | ssings and county roads. Highway J |
| Ozark County | 17 | 1200007 | | | ٥ | 0 | 0 | |
| Mammoth | 17 | 1300CST 1500CST | | | 0 | U | 0 | Flash Flood |
| | Heavy | | ooding alon | g Highway T ne | ar Mammoth. | | | |
| Texas County | | 1.500.000 | | | <u>^</u> | | <u>^</u> | |
| Countywide | 17 | 1502CST 1700CST | | | 0 | 0 | 0 | Flash Flood |
| Countywide | | | | | | | | |
| County white | One to | | rain resulted | l in flooding of | several low wa | ter crossi | ings in the county. N | lost of the flooding was concentrated |
| Countywhite | | | | l in flooding of | several low wa | ter crossi | ings in the county. M | fost of the flooding was concentrated |
| Miller County | around | two inches of the town of S | | l in flooding of | | | | - |
| | | two inches of the town of S 1615CST | | l in flooding of | several low wa | tter crossi | ings in the county. M | fost of the flooding was concentrate |
| Miller County | around 17 Over ar | two inches of the town of S 1615CST 2200CST n inch of rain ty 52 north ar | uccess. fell during th | e afternoon cau | 0 sing flooding o | 0 of several | 0 low water crossings. | |
| Miller County Countywide Maries County | around 17 Over ar Highwa evening | two inches of the town of S 1615CST 2200CST n inch of rain ty 52 north ar g. | uccess. fell during th | e afternoon cau | 0 sing flooding o nost impacted. | 0 of several Highwa | 0 low water crossings. y 52, 2 miles east of | Flash Flood County roads along Highway 17 an St. Elizabeth, was closed during th |
| Miller County Countywide | around 17 Over ar Highwa | two inches of the town of S 1615CST 2200CST n inch of rain ty 52 north ar 3. 2045CST | uccess. fell during th | e afternoon cau | 0 sing flooding o | 0 of several | 0 low water crossings. | Flash Flood County roads along Highway 17 an |
| Miller County Countywide Maries County | around 17 Over ar Highwa evening 17 | two inches of the town of S 1615CST 2200CST in inch of rain ay 52 north ar 52 2045CST 2200CST | uccess. fell during th d east of Tu | e afternoon cau | 0 sing flooding o nost impacted. 0 | 0 of several Highwa 0 | 0 low water crossings. y 52, 2 miles east of | Flash Flood County roads along Highway 17 an St. Elizabeth, was closed during th |
| Miller County Countywide Maries County | around 17 Over ar Highwa evening 17 | two inches of the town of S 1615CST 2200CST in inch of rain ay 52 north ar 52 2045CST 2200CST | uccess. fell during th d east of Tu | e afternoon cau scumbia were r | 0 sing flooding o nost impacted. 0 | 0 of several Highwa 0 | 0 low water crossings. y 52, 2 miles east of | Flash Flood County roads along Highway 17 an St. Elizabeth, was closed during th |
| Miller County Countywide Maries County 3 E Brinktown | around 17 Over ar Highwa evening 17 | two inches of the town of S 1615CST 2200CST in inch of rain ay 52 north ar 52 2045CST 2200CST | uccess. fell during th d east of Tu | e afternoon cau scumbia were r | 0 sing flooding o nost impacted. 0 | 0 of several Highwa 0 | 0 low water crossings. y 52, 2 miles east of | Flash Flood County roads along Highway 17 an St. Elizabeth, was closed during th |

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| | S | torm I | Data a | nd Unu | sual W | eath | er Phenor | nena | |
|---------------------|-------------------|---------------------------------------|-------------------|---------------------------------------|---|---------------|--|------------------------------------|------------------|
| | | Time | Path | Path | Number | | Estimated | | March 1998 |
| Location | Date | Local/ Standard | Length (Miles) | Width (Yards) | Persor Killed | 1s Injured | Damage Property Crops | Character of Storm | |
| MISSOURI, Southy | <u>west</u> | | | | | | | | |
| Pulaski County | | | | | | | | | |
| 2 W Crocker | 18 | 0100CST 0700CST | | | 0 | 0 | 0 | Flash Flood | |
| | Heavy | | | g Tavern Creek, | closing section | s of Higł | nway U. | | |
| Barry County | | | | | | | | | |
| Countywide | 19 20 | 1000CST 1200CST | | | 0 | 0 | 0 | Flash Flood | |
| | Heav | y rain falling o | on saturated | ground resulted vell for more that | - | flooding | of low water crossin | ngs and low lying are | eas. Route C wa |
| Howell County | 10 | 1000 000 | | | <u>^</u> | 0 | <u>^</u> | | |
| Countywide | 19 20 | 1000CST 1200CST | | | 0 | 0 | 0 | Flash Flood | |
| | Heavy | rain falling o | n saturated g | round resulted i inton and section | | | roads in the county. of West Plains. | Among those report | ed closed includ |
| Ozark County | 10 | 1000000 | | | 0 | 0 | <u>^</u> | | |
| Countywide | 19 20 | 1000CST 1200CST | | | 0 | 0 | 0 | Flash Flood | |
| | Heavy | rain falling of ighway 95 bet | n saturated g | | | | water crossings in th 24 hours. Low water | | |
| Wright County | 19 | 1100/067 | , | | 0 | 0 | 0 | Elssle Elssa | |
| Countywide | 20 Heavy | | on saturated | ground resulted | l in flooding o | | 0 ous low water crossi | Flash Flood | Parts of Route |
| Douglas County | | - | | | | | | | |
| Countywide | 19 20 Heavy | 1130CST 1200CST rain falling or | | round resulted i | 0 n widespread fl | 0 ooding o | 0 of low water crossings | Flash Flood | of Route FF an |
| | | | | luring this perio | | oouing o | i low water crossing. | , in the county. Turts | of Route EE u |
| Newton County | | | | | | | | | |
| Countywide | 19 | 1130CST 2300CST | | | 0 | 0 | 0 | Flash Flood | |
| | | | n saturated g | | in flooding of l | ow wate | r crossings along Sho | oal Creek between N | eosho and Joplir |
| Polk County | | | | | | | | | |
| Countywide | 19 20 | 1130CST 1000CST | | | 0 | 0 | 0 | Flash Flood | |
| | | | | round resulted in | n flooding of nu | imerous | low water crossings in | n the county. | |
| Mcdonald County | | | | | | | | | |
| Countywide | 19 20 | 1245CST 0800CST | | | 0 | 0 | 0 | Flash Flood | |
| | Heavy | rain falling o | n saturated g | ground resulted town of Ginger | U | | us low water crossing agan. | gs in the county. Flo | ooding closed th |
| Stone County | 10 | 1220.007 | | | 0 | • | 0 | | |
| Countywide | 19 | 1320CST 2300CST | | | 0 | 0 | 0 | Flash Flood | |
| | Heavy | | | round resulted in | n flooding of nu | imerous | low water crossings, o | especially between G | alena and Crane. |
| Jasper County | 10 | 1000 000 | | | <u>^</u> | 0 | <u>^</u> | | |
| Countywide | | | n saturated g | | | 0 numerou | 0 is roads along Center | Flash Flood r Creek between Car | thage and Joplir |
| Lawrence County | Severa | a roaus were a | iso nooded I | n the city of Jop | , ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | | | | |
| Countywide | 19 | 1330CST 2100CST | | | 0 | 0 | 0 | Flash Flood | |
| | • | rain falling or and Verona | - | | n flooding of nu | imerous | low water crossings in | n the county. Some I | Farm Roads in th |

Heavy rain falling on saturated ground resulted in flooding of numerous low water crossings in the county. Some Farm Roads in the Aurora and Verona area were closed.

| | | Time Local/ | Path Length | Path Width | Numbe Perso | | Estimated Damage | March 1998 |
|------------------------------|--------------------|-----------------------------------|----------------|-------------------|-----------------|------------|-------------------------|---------------------------------------|
| Location | Date | Standard | (Miles) | (Yards) | Killed | Injured | Property Crops | Character of Storm |
| MISSOURI, Southy | vest | | | | | | | |
| Christian County | | | | | | | | |
| Countywide | 19 | 1400CST | | | 0 | 0 | 0 | Flash Flood |
| | Heavy | 2200CST rain falling or | n saturated g | round caused fl | ooding of num | nerous cre | eeks and low water c | rossings in the county. Tracker Road |
| | | | | was closed dur | | | | |
| Greene County | | | | | | | | |
| Countywide | 19 20 | 1400CST | | | 0 | 0 | 0 | Flash Flood |
| | 20 Heavy | 1400CST rain falling or | n saturated g | round resulted | in flooding of | numerou | s low water crossing | s and creeks. Numerous Farm Road |
| | along | the James Rive | er were close | ed and a section | n of Highway | | | en Willard and Glidewell was closed |
| | Floodi | ing also occurre | ed on some S | pringfield city s | streets. | | | |
| Laclede County | 10 | 1420.000 | | | 0 | 0 | 0 | |
| Countywide | 19 | 1430CST 2300CST | | | 0 | 0 | 0 | Flash Flood |
| | Heavy | | saturated gr | ound resulted ir | n flooding of n | umerous | low water crossings. | Highways reported closed during thi |
| | | | | en Lebanon an | d Competition | , Highwa | y HH at the Orla Br | idge along the Osage Fork River, an |
| | Highw | ay FF near Ric | chland. | | | | | |
| Dallas County Countywide | 19 | 1500CST | | | 0 | 0 | 0 | Flash Flood |
| County white | | 2200CST | | | | | | |
| | | | | | | erous low | water crossings in th | ne county. Highway P, 5miles north of |
| | Long | Lane, was close | ed during the | afternoon and e | evening. | | | |
| Pulaski County Countywide | 19 | 1500CST | | | 0 | 0 | 0 | Flash Flood |
| Countywhee | 20 | 1500CST | | | U | U | v | Flash Flood |
| | Heavy | rain resulted in | n flooding of | numerous low | water crossing | s in the c | ounty. Highway 133 | near Richland was closed. |
| Taney County | 10 | 1 | | | <u>^</u> | 0 | <u>^</u> | |
| Countywide | 19 | 1500CST 2300CST | | | 0 | 0 | 0 | Flash Flood |
| | Heavy | | saturated gr | ound caused flo | oding of nume | rous low | water crossings in th | e county. |
| Texas County | | | | | | | | |
| Countywide | 19 | 1500CST | | | 0 | 0 | 0 | Flash Flood |
| | 20 Heavy | 1000CST rain falling on | saturated gr | ound resulted in | flooding of n | umerous | low water crossings i | n the county. Route U was closed eas |
| | of Cat | - | U | | e | | U | 2 |
| Webster County | | | | | | | | |
| Countywide | 19 20 | 1500CST | | | 0 | 0 | 0 | Flash Flood |
| | 20 Heavy | 1000CST rain falling or | saturated g | ound resulted in | n flooding of r | umerous | low water crossings | in the county. Highway Y was close |
| | • | - | - | | - | | | Pomme De Terre River. |
| Shannon County | | | | | | | | |
| 5 NE Winona | 19 | 1545CST | | | 0 | 0 | 0 | Flash Flood |
| | Heavy | 1730CST rain caused flo | oding of Hig | ghway H along | Rocky Creek. | | | |
| Oregon County | | | 6 | | • | | | |
| Countywide | 19 | 1650CST | | | 0 | 0 | 0 | Flash Flood |
| | Церия | 2300CST | coturated a | ound resulted in | n flooding of r | umarous | low water crossings | in the county. County roads along th |
| | - | U | U | the Riverton a | Ų | lumerous | low water crossings | in the county. County toads along th |
| Dent County | | | | | | | | |
| Countywide | 19 | 1700CST | | | 0 | 0 | 0 | Flash Flood |
| | 20 Hoove | 1400CST | conturated a | round resulted i | n widoenrood | flooding | of low water grossin | gs and creeks in the county. Floodin |
| | | | | | | | | Parts of Route T in the Sligo area an |
| | | | | ed during this p | 10 | | | |
| Hickory County | | | | - * | | | | |
| Countywide | 19 | 1700CST | | | 0 | 0 | 0 | Flash Flood |
| | Heavy | 2200CST rain falling or | saturated or | round resulted i | n flooding of I | ow water | crossings in the cou | nty. Highway D between Preston an |
| | | | | | | | re closed during this p | |

| Landian | Dete | Time Local/ | Path Length | Path Width | Numb Pers | | Estimated Damage | March 1998 |
|-----------------------------|--------------|--------------------|----------------|-------------------|-----------------|-------------|-----------------------|---|
| Location | Date | Standard | (Miles) | (Yards) | Killed | Injured | Property Crop | os Character of Storm |
| MISSOURI, Southy | vest | | | | | | | |
| Maries County | | | | | | | | |
| Countywide | 19 | 1700CST | | | 0 | 0 | 0 | Flash Flood |
| · | | 2300CST | | | | | | |
| | Heavy | rain falling or | n saturated gr | ound caused flo | ooding along I | Highway I | A at the Maries Riv | er, 3 miles east of Brinktown. |
| Miller County | | | | | | | | |
| Countywide | 19 | 1700CST | | | 0 | 0 | 0 | Flash Flood |
| | 20 Heavy | 1400CST | | round resulted | in flooding o | f numerou | e low water crossi | ngs in the county. Highway 52, 2 mile |
| | | | | for nearly 24 ho | | or numerou | is low water crossi | ligs in the county. Fighway 52, 2 mill |
| Phelps County | cust of | i St. Elizabetii, | was closed i | or nearry 24 no | urs. | | | |
| Countywide | 19 | 1700CST | • | | 0 | 0 | 0 | Flash Flood |
| Countywide | 20 | 1000CST | | | U | U | v | Flash Floou |
| | | | | ground resulted | in flooding o | of numeror | is low water cross | ings in the county. Highway Y, 5 mile |
| | north | of Rolla, and I | Highway T, j | ust north of Fla | t, were closed | d. Parts of | Route C between | Newburg and the Gasconade River wer |
| | also cl | losed. | | | | | | |
| Benton County | | | | | | | | |
| Countywide | 19 | 1800CST | | | 0 | 0 | 0 | Flash Flood |
| | | 2350CST | | | | fl | 61 | there also the accorden |
| | Heavy | rain failing of | n saturated gr | round resulted in | n widespread | nooding o | 1 low water crossin | gs throughout the county. |
| Morgan County | 10 | 1000007 | | | 0 | 0 | 0 | |
| Countywide | 19 | 1800CST 2300CST | | | 0 | 0 | 0 | Flash Flood |
| | Heavy | | | ound resulted in | n flooding alo | ng Highw | av 135 in the Flore | nce and Pyrmont area. |
| Camden County | neavy | rum runnig of | i suturuted 51 | ound resulted in | i nooung uio | 115 1115111 | ay 155 in the Flore | lice and i yilliont area. |
| Countywide | 20 | 0030CST | • | | 0 | 0 | 0 | Flash Flood |
| Countywhee | -0 | 1400CST | | | Ū | Ū | Ŭ | i iashi i tobu |
| | Heavy | rain falling o | on saturated | ground resulted | in flooding | of numero | ous low water cross | sings in the county. Route U along th |
| | Niang | ua River, 3 mi | les west of C | amdenton, was | closed during | g the morn | ing and early aftern | loon. |
| MOZ070 | Pulas | ki | | | | | | |
| | 26 | 1130CST | | | 0 | 0 | 2K | High Wind |
| | Wind | 1200CST | | 1 | | 4 1 D1- ! | | f - f - harring in Dishland |
| | wind | gusts to 50 mp | in anead of a | low pressure sy | stem in the co | entral Plai | its blew thes off a f | oof of a business in Richland. |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| MOZ088 | Jaspe | r | | | | | | |
| | 27 | 1000CST | | | 0 | 0 | 2K | High Wind |
| | South | winds ahead | of a low pres | ssure system gu | sted to 50 mp | ph downin | g power lines and | knocking over small trees in the city o |
| | Joplin | | | | | | | |
| Greene County | | | | | | | | |
| Springfield | 27 | 1402CST | | | 0 | 0 | 0 | Thunderstorm Wind (G60) |
| Greene County | | | | | | | | |
| Walnut Grove | 27 | 1403CST | | | 0 | 0 | 1K | Thunderstorm Wind |
| | Thund | lerstorm winds | s downed sev | eral trees. | | | | |
| Christian County | | | _ | | | | | |
| Spokane | 27 Thur d | 1412CST | | | 0 | 0 | 1K | Thunderstorm Wind |
| — | Inund | lerstorm winds | s downed pov | ver lines. | | | | |
| Taney County | 25 | 1410.007 | • | | • | • | 0.017 | |
| Hollister to 5 S Forsyth | 27 | 1419CST 1425CST | | | 0 | 0 | 90K | Thunderstorm Wind (G61) |
| 5 S FOISyth | A win | | | orted by spotter | rs in Hollister | • at 1419 (| ST. Numerous tre | ees were reported down in Hollister are |
| | | | | | | | | urst winds hit the K-Boat Dock, locate |
| | | | | | | | | poats and broke part of the boat dock o |
| | - | he main dock. | | 5 | | | - | * |
| Dallas County | | | | | | | | |
| 8 N Buffalo | 27 | 1435CST | | | 0 | 0 | 0 | Thunderstorm Wind (G55) |
| | Repor | ted at the junc | tion of Highv | vays 73 and 64. | | | | |

27 1435CST Reported at the junction of Highways 73 and 64.

| nte s n lickel h n eportec | Local/ Standard 1440CS' ail was also 1450CS' I near the ju | reported. | Width (Yards) | Person Killed | is Injured 0 | Damage Property Crops | Character of Storm |
|--|---|--|---|--|--|---|---|
| lickel h r eportec | ail was also 1450CS | reported. | | 0 | 0 | 0 | |
| lickel h r eportec | ail was also 1450CS | reported. | | 0 | 0 | 0 | |
| eported | | | | | | 0 | Thunderstorm Wind (G63) |
| | | inction of fing | ghways AA and | 0 64. | 0 | 0 | Thunderstorm Wind (G52) |
| arge tre | 1459CS e was dow | | way D near Tho | 0 rnfield. | 0 | 0 | Thunderstorm Wind |
| n hunder: | | | ge trees. | 0 | 0 | 1K | Thunderstorm Wind |
| 7 hunders | | | ver lines along A | 0 AB Highway. | 0 | 2K | Thunderstorm Wind |
| 7 | 1514CS' | Г | C | 0 | 0 ommuni | 2K ties. | Thunderstorm Wind |
| , | 1515CS' | Г | | 0 | 0 | 0 | Thunderstorm Wind |
| 7 hunder: | | | roofing off a ho | 0 me. | 0 | 2K | Thunderstorm Wind |
| 7 | 1540CS | Г | | 0 | 0 | 0 | Thunderstorm Wind (G52) |
| | storms win | ds blew over | | | | 30K near Vichy. A teena | Thunderstorm Wind age girl inside suffered minor injuries. |
| , | 1615CS | Г | - | 0 | 0 | 0 | Thunderstorm Wind |
| | storm wind | ls downed tro | | 0 s, and signs all | 0 over th | 3K e county. Two cars | Thunderstorm Wind were shoved into the median along |
|) | 2030CS | Г | - | 0 | 0 | 0 | Thunderstorm Wind |
| | | | | | roadwa | ter / Jefferson / M | leagher / Central And |
| ł | 0200MS 2200MS | T T | - Ganaun / Iv | adison 0 | 0 | | Heavy Snow |
| | Glacier 0000MS | / Eastern P T | ondera / Tool | le / Liberty 0 | 0 | | Heavy Snow |
| ocky I 7 | Mountain 0000MS | Front - Ea T | stern Glacier | r / Eastern Po 0 | ondera 0 | / Toole / Liberty - | Gallatin / Madison Heavy Snow |
| - | / Judith I n / Madis 0000MS | Basin - Broa on T | adwater / Jef | ferson / Meag 0 | gher / C 0 | Central And South | ern Lewis And Clark - Heavy Snow |
| | hunders hunder | hunderstorm wind y 1510CS' hunderstorm wind y 1514CS' hunderstorm wind y 1515CS' hunderstorm wind y 1530CS' hunderstorm wind y 1540CS' y 1613CS' hunderstorms win IH ASOS site nea y 1615CS' hunderstorm wind y 1615CS' hunderstorm wind | hunderstorm winds downed larg 1510CST hunderstorm winds downed power 1514CST hunderstorm wind downed trees 1515CST hunderstorm winds downed larg 1530CST hunderstorm winds blew some is 1540CST 1613CST hunderstorms winds blew over 1615CST hunderstorm winds downed sev 1615CST hunderstorm winds downed sev 1615CST 1600MST 1800MST 1800MST 1800MST 1800MST 1800MST 1800MST 1800MST 1800MST 1800MST 1800MST 1800MST 1800MST 1800MST 1800MST 1800MST 1800MST 1800MST 1800MST 1800MST 1800MST 1800MST 1800MST 1800MST 1800MST 1800MST 1800MST 1800MST | hunderstorm winds downed large trees. 1510CST hunderstorm winds downed power lines along . 1514CST hunderstorm wind downed trees in Lebanon an 1515CST hunderstorm winds downed large tree limbs an 1530CST hunderstorm winds blew some roofing off a ho 1540CST 1613CST hunderstorms winds blew over a mobile home. If ASOS site nearby reported a wind gust to 6 1615CST hunderstorm winds downed several trees. 1615CST hunderstorm winds downed trees, power line tterstate 44 near Rolla because of high winds. 2030CST hunderstorm winds downed several trees. 0 2030CST hunderstorm winds downed several trees. 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1615CST 1 | hunderstorm winds downed large trees. 1510CST 0 hunderstorm winds downed power lines along AB Highway. 1514CST 0 hunderstorm wind downed trees in Lebanon and surrounding c 1515CST 0 hunderstorm winds downed large tree limbs and blew small sig 1530CST 0 hunderstorm winds blew some roofing off a home. 1540CST 0 1613CST 0 hunderstorms winds blew over a mobile home along County F IH ASOS site nearby reported a wind gust to 68 knots at 1609 1615CST 0 hunderstorm winds downed several trees. 1615CST 0 hunderstorm winds downed trees, power lines, and signs all terstate 44 near Rolla because of high winds. 2030CST 0 hunderstorm winds downed several trees. 1615CST 0 hunderstorm winds downed several trees. 0 1600MST 0 1800MST 0 | hunderstorm winds downed large trees. 1510CST 0 0 hunderstorm winds downed power lines along AB Highway. 1514CST 0 0 hunderstorm wind downed trees in Lebanon and surrounding communi 1515CST 0 0 hunderstorm winds downed large tree limbs and blew small signs down 1530CST 0 0 hunderstorm winds blew some roofing off a home. 1540CST 0 1 hunderstorms winds blew over a mobile home along County Road 452 IH ASOS site nearby reported a wind gust to 68 knots at 1609 CST. 1613CST 0 0 hunderstorm winds downed several trees. 1615CST 0 0 hunderstorm winds downed trees, power lines, and signs all over th trestate 44 near Rolla because of high winds. 0 2030CST 0 0 hunderstorm winds downed several trees. 0 0 hunderstorm winds downed several trees. 0 0 hunderstorm winds downed several trees. 0 0 hunderstorm winds downed rees, power lines, and signs all over th trestate 44 near Rolla because of high winds. 0 0 0 hunderstorm winds downed several trees. 0 0 0 hunderstorm winds downed several trees. 0 0 0 hunderstorm winds downed several trees. 0 0 0 1800MST 0 0 0 0 0 0 0 0 | hunderstorm winds downed large trees. 1510CST 0 0 2K hunderstorm winds downed power lines along AB Highway. 1514CST 0 0 2K hunderstorm wind downed trees in Lebanon and surrounding communities. 1515CST 0 0 0 hunderstorm winds downed large tree limbs and blew small signs down. 1530CST 0 0 2K hunderstorm winds blew some roofing off a home. 1530CST 0 0 2K hunderstorm winds blew some roofing off a home. 1540CST 0 0 2K hunderstorm winds blew some roofing off a home. 1540CST 0 1 30K hunderstorms winds blew over a mobile home along County Road 452 near Vichy. A teena IH ASOS site nearby reported a wind gust to 68 knots at 1609 CST. 1615CST 0 0 3K hunderstorm winds downed several trees. 1615CST 0 0 3K hunderstorm winds downed trees, power lines, and signs all over the county. Two cars terstate 44 near Rolla because of high winds. 20 2030CST 0 0 0 hunderstorm winds downed several trees. 20 2030CST 0 0 3 hunderstorm winds downed several trees. 20 2030CST 0 0 3 hunderstorm winds downed several trees. 20 3 3 4 20 3 5 10 1 3 10 1 10 1 10 11 10 11 10 11 10 11 11 |

| | | Time Local/ | Path Length | Path Width | Number Person | | Estimated Damage | March 1 | 998 |
|------------------------------------|-------------------------------|---|--|---|--|--------------------------------|--|--|----------------------|
| Location | Date | Standard | (Miles) | (Yards) | | njured | Property Crops | Character of Storm | |
| MONTANA, East | | | | | | | | | |
| MTZ016>017- 021>023-025>027 | Philli | ps - Valley | - Petroleum | ı - Garfield - | Mccone - Dav | wson - l | Prairie - Wibaux | | |
| | 09 10 | 0200MS 1000MS | | | 0 | 0 | | Winter Storm | |
| MTZ017>020-024 | Valley 23 | y - Daniels 0100MS 0930MS | ST | - Roosevelt -] | Richland 0 | 0 | | Heavy Snow | |
| MONTANA, South | | | | | | | | | |
| MTZ028-034>035 | Whea 03 04 | tland - Stil 1700MS 1700MS | | llowstone | 0 | 0 | | Heavy Snow | |
| | March The for downto | 3. As this s ollowing are own. Lockwo lwater Count | system tracked snow depth t bod 12 inches. | l slowly across otals from the . Laurel 8 inche | Wyoming over storm. In Yell s. In Big Horn | night sor owstone County | ne heavy snow fell o CountyBillings 7 .Hardin 8 inches. In 6 | vestern Wyoming on the afternov ver parts of South Central Mon inches at the airport and 10 in Carbon CountyRed Lodge 5 inc In Wheatland CountyShawn | tana ches ches |
| MTZ028>037 | Whea Carte | | sselshell - T | reasure - Ro | sebud - Custe | er - Fall | lon - Stillwater - Y | ellowstone - Powder River | - |
| | 28 29 | 1000MS 1900MS | | | 0 | 1 | | Heavy Snow | |
| <u>MONTANA, West</u> MTZ002>003 | storm a several for min | and Red Lod l roads had to nor injuries. | ge picked up 8 be closed. A | 8 to 10 inches. | Traffic was bro on I-90 near Ha | ught to a | near standstill in Bil | Billings received 5 inches from lings on the morning of the 29th morning of the 29th, and was tre | , and |
| | 03 04 Ten in | 0700MS 0700MS ches of snow | ST ST fell at Big M | ountain Ski Res | 0 ort and 13 inch | | | Heavy Snow now fell at a location 4 miles ea | |
| | | | | | 700pm on the 3r on level above S | | | received four and a half inches. | Also |
| MTZ001-004>005 | Koote 04 | enai/Cabino 0300MS | et Region - 1 T | | | • | oula / Bitterroot V | alleys Heavy Snow | |
| | hours a | afterward. N | fell at Looko ear Lolo, 7 in | ches of snow w | as reported with | in 12 ho | | a, and another 15 inches fell in the 5, also received 7 inches within | |
| MTZ002 | 09 10 | Glacier Re 0700MS 0700MS | ST ST | Iountain Ski Res | 0 | 0 | | Heavy Snow | |
| MTZ006 | Bitter 16 | root / Sapp 1700MS | ohire Moun | | 0 | 0 | | Heavy Snow | |
| | | | received 9 1/ | | | | g at 500 pm on the 16 hours ending at 900ar | 5th, then another 10 $1/2$ inches for n on the 17th. | or the |
| MTZ004 | 18 | r Clark Fo 0300MS | ST | | 0 | 0 | | Heavy Snow | |
| | 19 Looko | 0300MS ut Pass Ski A | | 0 inches of sno | w | | | | |

| | | Time | Path | Path | Number | of | Estimated | March 199 | |
|---------------------------------------|---|-------------------------------|-------------------|------------------|---------------------|---------------|-----------------------------|---|--|
| Location | Data | Local/ Standard | Length (Miles) | Width (Yards) | Persor Killed | ıs Injured | Damage Property Crops | Character of Storm | |
| EBRASKA, Central | | Standard | (miles) | (1 ards) | Killed | injurcu | Tiopenty Crops | | |
| NEZ004>010-022>029- | - | an - Cher | rv - Keva P | aha - Bovd - | Brown - Roc | k - Hol | t - Garden - Grant | t - Hooker - Thomas - Blaine - | |
| 035>038-056>059- | | | | | | | | ith - Perkins - Lincoln - Chase | |
| 069>071 | | s - Frontie | | | ٥ | • | 1 - 17 | | |
| | 06 08 | 1000CS' 0600CS' | | | 0 | 2 | 15K | Winter Storm | |
| | 10 inche by the sr reported | es in parts of now and blo | f North Centra | al Nebraska. I-8 | 80 was closed fi | om Oga | ullala to Lincoln due to | al Nebraska with some amounts up () hazardous driving conditions created idents due to icy road conditions wer | |
| NEZ038 | Custer 16 | 0500CS | Т | | 0 | 1 | 11K | Ice Storm | |
| | 17 | 1000CS | Т | | | | | | |
| | | | | to make a turn | | bads. Of | ne of the accidents inv | volved an injury in which a followin | |
| Keith County | | | | , a tarn | | | | | |
| 17 N Ogallala | 24 | 1914MS | т | | 0 | 0 | | Hail (0.75) | |
| Lincoln County 5 SW North Platte | 24 | 212205 | т | | 0 | 0 | | II-:1 (0.75) | |
| 5 Sw North Platte Mcpherson County | 24 | 2133CS | 1 | | U | 0 | | Hail (0.75) | |
| 20 NW Tryon | 24 | 2330CS | Т | | 0 | 0 | | Hail (0.75) | |
| Chase County | | | | | | | | | |
| 4 NE Imperial | 26 | 1850MS | T | | 0 | 0 | | Hail (0.75) | |
| Lincoln County Maxwell | 26 | 2045CS | Т | | 0 | 0 | | Hail (0.75) | |
| Custer County | | | - | | - | - | | () | |
| 1 N Callaway | 26 | 2125CS | Т | | 0 | 0 | | Hail (1.00) | |
| Custer County 6 W Broken Bow | 26 | 2145CS | т | | 0 | 0 | | Hojl (1.00) | |
| Loup County | 20 | 214303 | 1 | | 0 | U | | Hail (1.00) | |
| 15 W Taylor | 26 | 2215CS | | | 0 | 0 | 16K | Lightning | |
| | Lightnir | ng struck an | d killed 20 he | ad of cattle. | | | | | |
| Loup County 4 WNW Taylor | 26 | 2220CS | т | | 0 | 0 | | Hail (0.75) | |
| Loup County | 20 | | • | | Ŭ | Ū | | Hun (0.75) | |
| 4 ESE Taylor to | 26 | 2240CS | | | 0 | 0 | 20K | Thunderstorm Wind | |
| 6 E Taylor | 2245CST Downburst thunderstorm winds caused damage to a couple of farmsteads. A trailer home sustained damage as well as livestock and | | | | | | | | |
| | | | | U | w head of cattle | | | C | |
| Custer County | 26 | 211005 | т | | ٥ | 1 | 417 | | |
| 9 WSW Callaway | 26 Heavy t | 2110CS' thunderstorn | | out a culvert i | 0 n the road. An | 1 injury a | 4K accident occurred whe | Flash Flood on a vehicle drove into the washed of | |
| | area of | the road. | | | | | | | |
| Garden County | 20 | 1720146 | ۰ T | | 0 | 0 | | H-:1 (2 00) | |
| 11 SW Oshkosh to Oshkosh | 28 | 1730MS | 01 | | U | 0 | | Hail (2.00) | |
| Garden County | | | | | | | | | |
| 1 N Lewellen | 28 | 1812MS | Т | | 0 | 0 | | Hail (1.00) | |
| Arthur County 13 SW Arthur | 28 | 1840MS | T | | 0 | 0 | | Hail (0.75) | |
| Arthur County | | | - | | - | - | | | |
| 8 E Arthur | 28 | 1935MS | т | | 0 | 0 | | Hail (0.75) | |
| Sheridan County 15 NNE Ellsworth | 28 | 1050140 | T | | 0 | Δ | | Hoil (075) | |
| 15 NNE Ellsworth Hooker County | 28 | 1958MS | 1 | | U | 0 | | Hail (0.75) | |
| 20 S Mullen | 28 | 2010MS | т | | 0 | 0 | | Hail (0.75) | |
| Hooker County | | | | | | | | | |
| | 28 | 2025MS | | | 0 | 0 | | Hail (1.00) | |

| | - | | | | | | P 2 - 1 | | March 1000 |
|--|------------------------------------|---|--|--|---|-----------------------------------|--|---|--|
| Y | Dete | Time Local/ | Path Length | Path Width | Number Persor | | Estimated Damage | | March 1998 |
| Location | Date | Standard | (Miles) | (Yards) | Killed | Injured | Property Crops | Character of Storm | |
| NEBRASKA, Central | | | | | | | | | |
| Mcpherson County Flats | 28 | 2035CST | | | 0 | 0 | | Hail (1.50) | |
| Thomas County 20 S Seneca | 28 | 2135CST | | | 0 | 0 | | Hail (0.75) | |
| Cherry County 10 SW Cody | 28 | 2215MST | | | 0 | 0 | | Hail (0.75) | |
| Thomas County 7 N Halsey | 28 | 2233CST | | | 0 | 0 | | Hail (0.75) | |
| Blaine County 5 SSE Purdum | 28 | 2243CST | | | 0 | 0 | | Hail (1.00) | |
| Brown County 31 S Johnstown | 28 | 2255CST | | | 0 | 0 | | Hail (1.00) | |
| Brown County 27 S Ainsworth | 28 | 2315CST | | | 0 | 0 | | Hail (2.00) | |
| Rock County 18 NNE Rose | 28 | 2359CST | | | 0 | 0 | | Hail (1.00) | |
| NEZ004>010-022>029- 035>038-056>059- 069>071 | Loup | - Garfield - V | | | | | t - Garden - Grant uster - Deuel - Kei | - Hooker - Thon | |
| 009>071 | - нау 30 | es - Frontier 0800CST | | | 0 | 0 | | Winter Storm | |
| | 31 A sprin | 2330CST | roduced sn | ow amounts ran | ging from four | to six in | ches over parts of Sou | ithwest Nebraska to | as much as 16 to |
| | 20 incl | nes in the Spenc | er area in I | | ebraska. The sr | low and s | strong winds caused s | | |
| <u>NEBRASKA, East</u> | | | | | | | | | |
| NEZ015-018-030>034- | | | | | | | urt - Platte - Colfa | | |
| 042>045-050>053- 065>068-078-088>093 | | r - Saunders ha - Pawnee | | | ward - Lanca | ster - C | Cass - Otoe - Saline | e - Jefferson - Ga | ge - Johnson - |
| | 07 08 | 1600CST 1500CST | Inchury | | 0 | 0 | 26K | Winter Storm | |
| | Heavy commo metrop School | snow combine on. The heavie politan area wh | d with stro st snow fe ere 11-16 | ng northerly wi ll in an area fro inches of snow | nds of 40-45 m om Gage county fell. Lesser ar | nph creat anorthea nounts o | ear blizzard conditions and considerable blow ast through the south accurred further to the ontinued to cause blow | ing snow with 6-15 and southeast portic e north with 4-6 in | foot snow drifts n of the Omaha ches at Norfolk. |
| NEZ051>053 | 16 | ders - Dougla 1452CST | s - Sarpy | | 0 | 0 | 23K | Flood | |
| | additio occurre | n, ice bridging ed on the west | was evider side of the | nt near the conf | luence of the Pl Demolition exp | latte and erts use | highway 77 railroad Elkhorn rivers near V ad dynamite to open r | Vencils Island. Mos | t of the flooding |
| Colfax County | 27 | 0040CST | | | 0 | 0 | | Heil (0.75) | |
| Rogers Dodge County North Bend | | | | | | | | Hail (0.75) | |
| North Bend Dodge County 2 W Fremont | 27 29 | 0043CST 2204CST | | | 0 0 | 0 0 | | Hail (0.75) Hail (1.00) | |
| <u>NEBRASKA, Extreme</u> | | | | | v | 0 | | 11an (1.00) | |
| | | | | | | | | | |
| | | E REPORTED. | | | | | | | |
| NEBRASKA, Extreme | | | 7•11 | | | | | | |
| NEZ080>081 | Hitch 07 08 | cock - Red W 1200CST 0000CST | illow | | 0 | 0 | | Winter Storm | |
| | | | hes accom | panied by winds | 30-40 mph wh | ipped up | drifts 2 to 4 feet. | | |

| | | Time | Path | Path | Numb | | Estim | | March 1998 | | |
|---|--|---|---|--|--|---|---|-------------------------------------|--|--|--|
| Location | Date | Local/ Standard | Length (Miles) | Width (Yards) | Perso Killed | ons Injured | Dama Property | age Crops | Character of Storm | | |
| NEBRASKA, Extreme | e Soutl | nwest | | | | | | | | | |
| Dundy County 23 NW Benkelman | 26 | 1900MS | Т | | 0 | 0 | | | Hail (0.75) | | |
| NEBRASKA, South C | | | | | | | | | | | |
| NEZ039>041-046>049- 060>064-072>077- 082>087 | | er - Phelps · | | | | | | | čalo - Hall - Hamilton - York - klin - Webster - Nuckolls - | | |
| | 07 12 | 0000CST 1200CST | | | 0 | 0 | 100K | 0 | Winter Storm | | |
| | develop drizzle afterno Paul to | ng, late seaso ped in the sou spread across on and becan o 15 inches at | n winter stor athwest Unite s the region b ne heavy at t Deshler. A | d States and the y the morning o imes with lastin | in slowly move of the 7th leaving through the f snow in exce | ed northea ing an icy night. B | st across the coating on a y midday on | Central I trea roads the 8th, | hches over the weekend. The storm Plains. Widespread freezing rain and the ice changed to snow Saturday amounts ranged from 4 inches at St in to York. Another area of snowfall | | |
| | impass | able in the re | gion, includii | | Drifts as hig | h as ten fe | et were repo | orted. Sin | s. Numerous roads were closed or ace there were accurate forecasts with | | |
| | Record | cold followe | d the snow w | ith temperatures | s dropping wel | ll below fo | or three straig | ght morni | ngs beginning on March 9. | | |
| <u>NEBRASKA, West</u> NEZ001>003-019>021- 054>055 | Sioux | - Dawes - I | Box Butte - | Scotts Bluff | - Banner - N | Aorrill - | Kimball - | Cheyen | ne | | |
| | 06 07 | 1700MS 1000MS | | | 0 | 4 | 49K | 0 | Winter Storm | | |
| | reporte droppe west of | d across the r d to less than f Lodgepole. | rest of the pa a mile at tin The vehicle r | nhandle. High- nes in Scottsblu olled onto it's to | ways in the ce ff and in Chao op and slid into | entral and dron. A n o a ditch ar | northern pan nan lost cont nd was totalle | handle w rol of his ed. The c | bunty. Up to 7 inches of snow was vere icy and snow packed. Visibility vehicle on icy Interstate 80, 3 miles lriver of the vehicle was not injured. to a ditch while trying to change lane | | |
| | on the | icy Interstate | 80. Two pas | sengers suffered | l head injuries | | | | but the driver was not injured. | | |
| | | | | | | | - | | - | | |
| | | | | l with a snowpl vplow and 5,000 | | east of Sid | ney, due to | icy roads | and poor visibilities. The collision | | |
| | the rea | | open. The c | lriver was taken | | | | | nifed. The jackknifed semi rolled and ger was treated and released form the | | |
| Sioux County 20 SW Agate | 28 | 1530MS 1540MS | | | 0 | 0 | 0 | 0 | Hail (1.75) | | |
| | A stor | m produced g | olf ball size h | ail 20 miles SW | of Agate or 5 | 5 miles NE | E of Henry. | | | | |
| Cheyenne County 4 N Brownson | 28 | 1558MS 1610MS | | | 0 | 0 | 0 | 0 | Hail (0.75) | | |
| Cheyenne County 5 N Sidney | 28 | 1619MS 1625MS | | | 0 | 0 | 0 | 0 | Hail (0.75) | | |
| Cheyenne County 6 SE Gurley | 28 | 1620MS 1650MS | | | 0 | 0 | 0 | 0 | Hail (1.75) | | |
| | Marble | | | nd covered the | ground up to 5 | inches. | | | | | |
| Cheyenne County 11 NE Sidney | 28 | 1630MS 1640MS | | | 0 | 0 | 0 | 0 | Hail (1.75) | | |

| | - | | - | | | - | | | | X 1 1000 |
|---|---|--|--|---|--|---------------------------|---------------------------------|---------------------|--|-------------------|
| | _ | Time Local/ | Path Length | Path Width | Number Person | | Estimate Damage | | | March 1998 |
| Location | Date | Standard | (Miles) | (Yards) | Killed | Injured | Property | Crops | Character of Storm | |
| <u>NEBRASKA, West</u> | Golf ba | all size hail fell | 11 miles no | ortheast of Sidney | <i>.</i> | | | | | |
| Cheyenne County 8 N Lodgepole to 17.5 N Lodgepole | 28 Golf ba | 1702MST 1707MST all size hail fell | 8 miles nor | th of Lodgepole. | 0 | 0 | 0 | 0 | Hail (1.75) | |
| Scotts Bluff County 5 NE Minatare | 28 | 1720MST 1730MST | | | 0 | 0 | 0 | 0 | Hail (0.75) | |
| Scotts Bluff County 15 S Morrill | 28 | 1815MST 1830MST | | | 0 | 0 | 0 | 0 | Hail (0.75) | |
| Box Butte County 7 S Alliance | 28 Quarte | 1834MST 1840MST r size hail fell 7 | miles sout | h of Alliance. | 0 | 0 | 0 | 0 | Hail (1.00) | |
| Box Butte County Alliance | 28 | 1835MST 1847MST | | | 0 | 0 | 0 | 0 | Hail (0.75) | |
| Scotts Bluff County 15 S Morrill | 28 | 2005MST 2027MST | | | 0 | 0 | 0 | 0 | Hail (0.75) | |
| Box Butte County Alliance | | maged the adjo | | | | | | | Lightning n the porch were shated that the bigge | |
| Scotts Bluff County 3 WNW Scottsbluff | 28 | 2020MST 2029MST | | | 0 | 0 | 0 | 0 | Hail (0.75) | |
| Box Butte County 5 NW Alliance | 28 | 2120MST 2126MST | | | 0 | 0 | 0 | 0 | Hail (0.75) | |
| Scotts Bluff County Mitchell | 28 A storr | 2129MST 2136MST n produced 3/4 | inch hail w | which covered the | 0 ground | 0 | 0 | 0 | Hail (0.75) | |
| NEVADA, North | | - F | | | 8 | | | | | |
| NVZ008>009-011>012 | 06 07 A stron at 8:00 at Ruth | 2000PST 0800PST g winter storm am PST includ | dropped lo ed: 10 inch 1 Valley, E | es at Austin, 8 in Emigrant Pass (20 | 0 v over parts of ches at Ruby 1 | 0 Northeas Lake Wil | t and East Ce dlife Refuge a | ntral Ne nd Jigg | reka Heavy Snow evada. 12 hour snow (s, 6 inches at Spring d the Reese River V | Creek, 5 inches |
| NVZ006>009-011>012 | Humb | · | | | nd South Ce | entral E | lko - Southe | ast Ell | ko - White Pine - | |
| | 9:00 an Lamoil | n PST included le and Ruth, 10 | : 14 inches inches at A | at both Eureka a | nd Halleck, 1 | 2 inches | at Wells and I | Emigrar | Heavy Snow da. 24 hour snowfal nt Pass (20 W of Ell iches at Tuscarora ar | (o), 11 inches at |
| <u>NEVADA, South</u> NVZ013-019 | North 06 | ern Nye - Sp 0200PST | ring Mou | Intains | 0 | 0 | | | Heavy Snow | |
| | inches | of snow fell in | the town o | of Tonopah and e | ight inches fel | l in Man | hattan. In the | Spring | now showers. In cer Mountains of south up 10 inches of snow | ern Nevada, the |

| | | Time Local/ | Path Length | Path Width | Number | | Estimated Damage | March 1998 |
|--------------------------------|-------------------|--|---------------------------------|--------------------|-----------------------|---------------|--------------------------|--|
| Location | Date | Standard | Length (Miles) | (Yards) | | ns Injured | Damage Property Crops | Character of Storm |
| NEVADA, South | | | | | | | | |
| NVZ017 | 06 | 1305PS | | | 0 orded near India | 0 an Sprin | gs as a vigorous cold | High Wind (G50) front passed. |
| NVZ019 | | ig Mountain 1800PS 0600PS | ns Γ | | 0 | 0 | | Heavy Snow |
| | A fast In the | moving wint | er storm left s | | | | | ved across the region during the night w snow and Lee Canyon (8,000 fee |
| NVZ019 | Sprin 25 26 | ng Mountain 2200PS 0800PS | Г | | 0 | 0 | | Heavy Snow |
| | A mo | ist Pacific Sto t Charleston (| orm covered the | | | | | In the Spring Mountains, the town of 0 feet) picked up 16-18 inches of new |
| NVZ019 | Sprin 28 | ng Mountain 0100PS 1900PS | Г | | 0 | 0 | | Heavy Snow |
| | Moun | oldest storm tains, both M | of the season ount Charlesto | on (7,000 feet) | and Lee Canyo | n (8,000 | | nd locally heavy snow. In the Spring of 12 inches of snow. The Las Vega western foothills. |
| NEVADA, West | | | | | | | | |
| NVZ003 | 05 06 | 0640PS 0640PS | Г | Minden Area | 0 | 0 | | Heavy Snow |
| NVZ003 | Grea 05 06 | ter Reno/Ca 0730PS 0730PS | arson City/I Г Г | Minden Area | 0 | 0 | | Heavy Snow |
| NVZ003 | | ter Reno/Ca 1330PS | arson City/Ν Γ | Minden Area | | o o steambo | at Springs (10 miles S | S Reno NV) 10 inches. Heavy Snow |
| | | 2330PS ur snow fall: t 2200 PST. | | Anderson Hill | about 15 miles | s north o | f Reno, NV). A big- | rig truck jack-knifed and blocked U.S |
| NVZ002 | 23 24 | ter Lake Ta 1130PS 1130PS | Г Г | | 0 | 0 | | Heavy Snow |
| NN 1700 4 | | | | Area at 8800 fe | et 26 inches. | | | |
| NVZ004 | 23 | 1214PS 1215PS | Г | 0 | 0 | 0 | | High Wind (G59) |
| NT 1700 4 | | - | | gecoach NV. N | lo damage repo | orted. | | |
| NVZ004 | 23 | 1214PS 1215PS | Г | - | 0 | 0 | 25K | High Wind (G60) |
| NEW HAMPSHIRI | | | | ot house in Fal | Ion NV, causin | g about : | \$25000 of damage. E | stimated peak gust 60 knots. |
| <u>NHZ013</u> | | ior Rocking | | | | | | |
| 1112/013 | 12 | 1230ES 1300ES | Г Г | | 0 | 14 | | Snow Squall |
| | Windh | am/Derry line | e. The accide | | out 12:30 pm v | when the | squall hit, reducing v | 40 vehicles) on Interstate 93 near the isabilities to near zero and causing the |
| NHZ001>003- 007>010-013>014 | | | Southern C oastal Rock | | rn Grafton - | Sulliva | nn - Merrimack - I | Selknap - Strafford - Interior |
| | 14 | 0800ES 1700ES | | | 0 | 0 | | Moderate Snowfall |

| | S | torm l | Data a | nd Unu | sual Wo | eathe | er Phenon | nena |
|--------------------|---|---|--|-------------------------------------|---|---------------------------|---|--|
| | | Time | Path | Path | Number | | Estimated | March 19 |
| Location | Date | Local/ Standard | Length (Miles) | Width (Yards) | Person Killed I | s njured | Damage Property Crops | Character of Storm |
| NEW HAMPSHIRE, | North | and Cent | <u>al</u> | | | | | |
| NHZ004>006 | | | | n Grafton - S | outhern Carr | | | TT C |
| | 14 | 0900ES 1700ES | | | U | 0 | | Heavy Snow |
| | Elsewl | here in the st | ate, a modera | te snowfall occ | | ll amount | s ranged from an i | v to parts of central New Hampsh nch or less in the Connecticut R |
| NHZ001>010 | North | hern Coos - | Southern C | • | rn Grafton - I | • | | ern Grafton - Southern |
| | 21 22 | 1800ES 1800ES | | | 0 | 0 | | Heavy Snow |
| | Low precipi | pressure movi itation in sou | ng slowly no theastern par | ts of the state. | Snowfall amo | ounts range | ed from 6 to 12 ir | ow to much of the state with minches from Merrimack and Sulliv le, if any, snow accumulated. |
| NHZ001>010-013>014 | | | | | | U | | ern Grafton - Southern |
| | Carro 27 | oll - Sulliva 1200ES | | ack - Belknap |) - Strafford - 0 | Interior 0 | Rockingham - (| Coastal Rockingham Record Warmth |
| | 31 | 1900ES | Г | | • 14 - : i i i | - | | |
| | days o the 27 | of the month. th (76), 28th | In Concord, ((86), and 31st | each of the last (89). The high | five days were an temperature of | above 70 a f 89 on the | degrees with daily r | o New Hampshire during the last f record high temperatures being set ford for the month of March. A c st. |
| Grafton County | 20 | 1 50050 | | | 0 | 0 | | |
| Countywide | 29 31 | 1500ES 2359ES | | | 0 | 0 | | Flood |
| Coos County | • | 0 < 0 0 50 6 | - | | 0 | â | | |
| Countywide | 30 31 | 0600ES 2359ES | | | 0 | 0 | | Flood |
| Carroll County | | | _ | | | | | |
| Countywide | 31 | 1900ES 2359ES | | | 0 | 0 | | Flood |
| | | | | | | | | iver flooding on the Connecticut and solve the structure of the second s |
| NHZ001>005 | | | | | • | | n Carroll - South | |
| | 29 | 1530ES | Г | | 0 | 0 | | Flood |
| | 31 Record | 2359ES d warmth and | | elt caused river | s in northern N | ew Hamps | shire to flood from | late March through early April. |
| | | | | | - | | | evening of the 30th resulted in rec |
| | | | | | | | | ters. The Connecticut reached a c banon of 19.02 feet on the 29th(18 |
| | | stage). Additi stage). | ional crests w | ere reached in e | early April. Th | e Saco Ri | ver crested at Conw | vay at 9.54 feet late on the 31st (9 |
| NEW HAMPSHIRE, | | | | | | | | |
| NHZ012 | | oorough | | | | | | |
| | 08 09 | 1900ES 0000ES | | | 0 | 0 | | Heavy Rain |
| NHZ012 | | borough | - | | | | | |
| | 10 13 | 0700ES 1200ES | | | 0 | 0 | | Flood |
| NU(7011 | A pow rainfal River back b 3.10"; | verful storm sy ll to New Han at Goffstown pelow flood sta Nashua, 2.72 | vstem moving npshire, result reached flood age at noon or | ing in urban str stage of 9 feet | eet flooding, ba at 7 AM on Ma Rainfall totals ge | sement flo urch 10th a | ooding, and some m and crested at 9.1 fe | akes brought strong winds and he inor river flooding. The Piscataqu et at 10:30 AM on the 10th, then range. Some totals included: Ho |
| NHZ011 | Chesl 22 | hire 0000ES | Г | | 0 | 0 | | Heavy Snow |
| | A stron March | 1000ES ng early Sprin 21st passing | f g nor'easter w to the south | east of Cape Co | low pressure sys od on March 22 | stem whicl 2nd. This | storm brought 3 to | h-northeast from the Virginia coast o 5 inches of snow to southern N of 6 to 8 inches in that area. |

| | | Time | Path | Path | Number | | Estimated | | March 1998 |
|--|---|---|---|---|--|--|---|--|-------------------|
| Location | Date | Local/ Standard | Length (Miles) | Width (Yards) | Person Killed | 1s Injured | Damage Property Crops | Character of Storm | |
| NEW JERSEY, Nor | theast | | | | | | | | |
| Union County Countywide | 08 09 | 2300EST 0500EST | | | 0 | 0 | | Heavy Rain | |
| Essex County Countywide | 08 09 | 2330EST 0900EST | | | 0 | 0 | | Heavy Rain | |
| Hudson County Countywide | 08 09 | 2330EST 0900EST | | | 0 | 0 | | Heavy Rain | |
| Bergen County Countywide | 09 | 0030EST 0900EST | | | 0 | 0 | | Heavy Rain | |
| | another | ow pressure sys r formed off the | e Southeast | | both lows mov | | . One low formed o northeast, they intens | | |
| | Some 1 | low-lying and p | poor drainag | | ng streets were | e flooded | ns that caused urban throughout the area. bove. | | |
| | This sy limbs to | - | luced strong | g wind gusts fro | om 30 to 40 mj | oh that in | combination with th | e heavy rain caused | some small tree |
| | Rainfal | ll amounts gene | erally ranged | from 1 to 3 inc | hes. Here are | selected 1 | ainfall amounts: | | |
| | Raima | e | | | | | | | |
| | | - | | was measured a | | • | | | |
| | o For U o For | Union County, Essex County, k Airport, a new | 2.03 inches from 1.44 | was measured a | tt Canoe Brook Fells to 2.69 i | nches at | Verona. At Newark les fell on the 9th whi | * | |
| | o For U o For Newark (1942). | Union County, Essex County, k Airport, a nev | 2.03 inches from 1.44 w daily rainf | was measured a | nt Canoe Brook Fells to 2.69 i set. A total of | nches at | | * | |
| | o For U o For Newark (1942). o For I | Union County, Essex County, k Airport, a new Hudson County | 2.03 inches from 1.44 w daily rainf v, 1.69 inche | was measured a inches at Essex fall record was s | nt Canoe Brook Fells to 2.69 i eet. A total of Harrison. | nches at 1.13 inch | nes fell on the 9th whi | * | |
| NJZ002>003 | o For U o For Newark (1942). o For I o For I | Union County, Essex County, k Airport, a new Hudson County | 2.03 inches from 1.44 w daily rainf v, 1.69 inche , from 1.67 | was measured a inches at Essex fall record was s as of rain fell at f | nt Canoe Brook Fells to 2.69 i eet. A total of Harrison. | nches at 1.13 inch | nes fell on the 9th whi | * | |
| NJZ002>003 | o For U o For Newarh (1942). o For I o For I Weste 22 A low | Union County, Essex County, k Airport, a nev Hudson County Bergen County, ern Passaic - 0300EST 1130EST pressure system | 2.03 inches from 1.44 i w daily rainf v, 1.69 inche , from 1.67 i Bergen m developed | was measured a inches at Essex fall record was s s of rain fell at inches at Oaklar | tt Canoe Brook Fells to 2.69 i tet. A total of Harrison. Ind to 2.41 inche 0 Atlantic Coast o | nches at 1.13 inch es at Fran 0 early Sun | tes fell on the 9th whi klin Lake. day morning and mo | ich broke the old dai Heavy Snow | ly record of 0.82 |
| NJZ002>003 | o For U o For Newark (1942). o For I o For I Weste 22 A low Island o | Union County, Essex County, k Airport, a new Hudson County Bergen County, ern Passaic - 0300EST 1130EST pressure system during early aft | 2.03 inches from 1.44 w daily rainf v, 1.69 inche , from 1.67 Bergen m developed ernoon. He | was measured a inches at Essex fall record was s is of rain fell at inches at Oaklar d off the Mid-A | tt Canoe Brook Fells to 2.69 i eet. A total of Harrison. nd to 2.41 inche 0 Atlantic Coast o ed and spread n | nches at 1.13 inch es at Fran 0 early Sun ortheast o | tes fell on the 9th whi klin Lake. Iday morning and mo over the area. | ich broke the old dai Heavy Snow | ly record of 0.82 |
| NJZ002>003 | o For I o For Newark (1942). o For I o For I Weste 22 A low Island o Snowfa o For I | Union County, Essex County, k Airport, a new Hudson County Bergen County, ern Passaic - 0300EST 1130EST pressure system during early aft all amounts ran Bergen County, | 2.03 inches from 1.44 w daily rainf v, 1.69 inche , from 1.67 Bergen m developed ernoon. He ged from 6 f | was measured a inches at Essex all record was s s of rain fell at inches at Oaklar d off the Mid-A avy snow forme to 8 inches. Her 5 snow was mea | at Canoe Brook Fells to 2.69 i eet. A total of Harrison. ad to 2.41 inche 0 Atlantic Coast of ed and spread n re are selected sured at Ruther | nches at 1.13 inch es at Fran 0 early Sun ortheast o amounts: ford and | tes fell on the 9th whi klin Lake. Iday morning and mo over the area. Ridgefield. | the broke the old dail Heavy Snow | ly record of 0.82 |
| | o For I o For I (1942). o For I o For I Weste 22 A low Island o Snowfa o For I | Union County, Essex County, k Airport, a new Hudson County Bergen County, ern Passaic - 0300EST 1130EST pressure syster during early aft all amounts ran Bergen County, Western Passaid | 2.03 inches from 1.44 w daily rainf v, 1.69 inche , from 1.67 Bergen m developed ernoon. He ged from 6 f | was measured a inches at Essex all record was s s of rain fell at inches at Oaklar d off the Mid-A avy snow forme to 8 inches. Her 5 snow was mea | at Canoe Brook Fells to 2.69 i eet. A total of Harrison. ad to 2.41 inche 0 Atlantic Coast of ed and spread n re are selected sured at Ruther | nches at 1.13 inch es at Fran 0 early Sun ortheast o amounts: ford and | tes fell on the 9th whi klin Lake. Iday morning and mo over the area. | the broke the old dail Heavy Snow | ly record of 0.82 |
| <u>NEW JERSEY, Sou</u> | o For I o For I (1942). o For I o For I Weste 22 A low Island o Snowfa o For I | Union County, Essex County, k Airport, a new Hudson County Bergen County, ern Passaic - 0300EST 1130EST pressure syster during early aft all amounts ran Bergen County, Western Passaid | 2.03 inches from 1.44 w daily rainf v, 1.69 inche , from 1.67 Bergen m developed ernoon. He ged from 6 f | was measured a inches at Essex all record was s s of rain fell at inches at Oaklar d off the Mid-A avy snow forme to 8 inches. Her 5 snow was mea | at Canoe Brook Fells to 2.69 i eet. A total of Harrison. ad to 2.41 inche 0 Atlantic Coast of ed and spread n re are selected sured at Ruther | nches at 1.13 inch es at Fran 0 early Sun ortheast o amounts: ford and | tes fell on the 9th whi klin Lake. Iday morning and mo over the area. Ridgefield. | the broke the old dail Heavy Snow | ly record of 0.82 |
| | o For I o For I (1942). o For I o For I Weste 22 A low Island o Snowfa o For I | Union County, Essex County, k Airport, a new Hudson County Bergen County, ern Passaic - 0300EST 1130EST pressure syster during early aft all amounts ran Bergen County, Western Passaid | 2.03 inches from 1.44 w daily rainf v, 1.69 inche , from 1.67 Bergen m developed ernoon. He ged from 6 f | was measured a inches at Essex all record was s s of rain fell at inches at Oaklar d off the Mid-A avy snow forme to 8 inches. Her 5 snow was mea | at Canoe Brook Fells to 2.69 i eet. A total of Harrison. ad to 2.41 inche 0 Atlantic Coast of ed and spread n re are selected sured at Ruther | nches at 1.13 inch es at Fran 0 early Sun ortheast o amounts: ford and | tes fell on the 9th whi klin Lake. Iday morning and mo over the area. Ridgefield. | the broke the old dail Heavy Snow | ly record of 0.82 |
| <u>NEW JERSEY, Sou</u> Burlington County | o For U o For Newark (1942). o For I o For I Weste 22 A low Island o Snowfa o For I o For V th and N | Union County, Essex County, k Airport, a new Hudson County Bergen County, ern Passaic - 0300EST 1130EST pressure syster during early aft all amounts ran Bergen County, Western Passaic Inthwest 1100EST | 2.03 inches from 1.44 w daily rainf v, 1.69 inche , from 1.67 Bergen m developed ernoon. He ged from 6 f | was measured a inches at Essex all record was s s of rain fell at inches at Oaklar d off the Mid-A avy snow forme to 8 inches. Her 5 snow was mea | at Canoe Brook Fells to 2.69 i eet. A total of Harrison. ad to 2.41 inche 0 Atlantic Coast of ed and spread n re are selected sured at Ruther ranged from 6 | nches at 1.13 inch es at Fran 0 early Sun ortheast o amounts: ford and inches a | tes fell on the 9th whi klin Lake. Iday morning and mo over the area. Ridgefield. | Heavy Snow Deved northeast, passi | ly record of 0.82 |
| <u>NEW JERSEY, Sou</u> Burlington County Countywide Camden County | o For U o For Vewark (1942). o For I o For I Weste 22 A low Island o Snowfa o For I o For V th and N 08 09 08 | Union County, Essex County, k Airport, a new Hudson County Bergen County, ern Passaic - 0300EST 1130EST pressure syster during early aft all amounts ran, Bergen County, Western Passaid Korthwest 1100EST 1100EST | 2.03 inches from 1.44 w daily rainf v, 1.69 inche , from 1.67 Bergen m developed ernoon. He ged from 6 f | was measured a inches at Essex all record was s s of rain fell at inches at Oaklar d off the Mid-A avy snow forme to 8 inches. Her 5 snow was mea | at Canoe Brook Fells to 2.69 i eet. A total of Harrison. ad to 2.41 inche 0 Atlantic Coast of ed and spread n re are selected sured at Ruther ranged from 6 0 | nches at 1.13 inch es at Fran 0 early Sun ortheast of amounts: ford and inches at 0 | tes fell on the 9th whi klin Lake. Iday morning and mo over the area. Ridgefield. | Heavy Snow Dived northeast, passi nches at Greenwood Heavy Rain | ly record of 0.82 |

| | | Time | Path | Path | | ber of | Estin | | | March 1998 |
|--------------------------|----------|--------------------|---------|---------|--------|---------|----------|-------|--------------------|------------|
| Location | Date | Local/ | Length | Width | | sons | Dan | 0 | CT | |
| Locaton | Date | Standard | (Miles) | (Yards) | Killed | Injured | Property | Crops | Character of Storm | |
| <u>NEW JERSEY, Sou</u> | ith and | <u>Northwest</u> | | | | | | | | |
| Cumberland County | | | | | | | | | | |
| Countywide | 08 | 1200EST | | | 0 | 0 | | | Heavy Rain | |
| | 09 | 1100EST | | | | | | | | |
| Mercer County | 00 | 1200507 | | | 0 | 0 | | | H D · | |
| Countywide | 08 09 | 1200EST 1200EST | | | 0 | 0 | | | Heavy Rain | |
| Atlantic County | 0,7 | 1200101 | | | | | | | | |
| Countywide | 08 | 1300EST | | | 0 | 0 | | | Heavy Rain | |
| county white | 09 | 1100EST | | | Ŭ | Ū | | | ficu vy fauni | |
| Cape May County | | | | | | | | | | |
| Countywide | 08 | 1300EST | | | 0 | 0 | | | Heavy Rain | |
| | 09 | 1100EST | | | | | | | | |
| Hunterdon County | | | | | | | | | | |
| Countywide | 08 | 1300EST | | | 0 | 0 | | | Heavy Rain | |
| | 09 | 1300EST | | | | | | | | |
| Middlesex County | 00 | 1200505 | | | 0 | 0 | | | | |
| Countywide | 08 09 | 1300EST 1300EST | | | 0 | 0 | | | Heavy Rain | |
| Monmouth County | 09 | 13001231 | | | | | | | | |
| Countywide | 08 | 1300EST | | | 0 | 0 | | | Heavy Rain | |
| Countywhee | 09 | 1300EST | | | U | U | | | Heavy Kain | |
| Ocean County | | | | | | | | | | |
| Countywide | 08 | 1300EST | | | 0 | 0 | | | Heavy Rain | |
| | 09 | 1300EST | | | | | | | | |
| Somerset County | | | | | | | | | | |
| Countywide | 08 | 1300EST | | | 0 | 0 | | | Heavy Rain | |
| | 09 | 1200EST | | | | | | | | |
| Morris County | | | | | | | | | | |
| Countywide | 08 | 1400EST | | | 0 | 0 | | | Heavy Rain | |
| a a . | 09 | 1300EST | | | | | | | | |
| Sussex County | 00 | 1400505 | | | 0 | 0 | | | | |
| Countywide | 08 09 | 1400EST 1400EST | | | 0 | 0 | | | Heavy Rain | |
| Warren County | 02 | 14001/31 | | | | | | | | |
| Countywide | 08 | 1400EST | | | 0 | 0 | | | Heavy Rain | |
| Countywite | 08 | 1400EST | | | U | v | | | IICavy Kalli | |
| NJZ019 | | lington | | | | | | | | |
| | 10 | 1500EST | | | 0 | 0 | | | Flood | |
| | 11 | 0100EST | | | | | | | | |

Rain overspread New Jersey during the late morning and early afternoon on the 8th preceding a low pressure system's warm front. The heaviest rain fell during two periods. One burst of heavy rain fell during the late afternoon and evening of the 8th. The second burst occurred during the morning of the 9th as a line of showers and thunderstorms moved through the region. Scattered pockets of heavier rain also affected the northwest part of the state during the afternoon and evening of the 9th.

Storm totals averaged between 1.5 and 3.0 inches with the highest amounts falling along the coast and Sussex County. This caused some urban and poor drainage flooding, but was not heavy enough to push most of the major streams or rivers above bankfull. The one exception was the Rancocas Creek in Burlington County. Low lying areas along the creek started experiencing flooding during the mid day hours on the 9th as the runoff from the heavy rain was slowed by the incoming high tide in the lower part of the creek. Damage occurred to bulkheads and basements from Mount Holly to Southampton and also in Brown Mills along the north branch of the creek. Flood waters also crept into the backyards of homes in Lumberton near Burlington County Road 541. The North Branch of the Rancocas Creek at Pemberton did reach its flood stage of 2.7 feet the next day (the 10th) at 3 p.m. EST and remained above flood stage until 1 a.m. EST on the 11th. It crested at 2.71 feet at 7 p.m. EST on the 10th. Elsewhere, the unusually wet winter raised the water table above normal. This led to a rash of basement flooding reports, especially in Atlantic County.

Storm precipitation totals included 3.13 inches in Freehold (Monmouth County), 3.11 inches in Red Bank (Monmouth County), 3.09 inches in Brick Township (Ocean County), 2.95 inches at the Marina in Atlantic City, 2.44 inches in Harvey Cedars (Ocean County), 2.34 inches in New Lisbon (Burlington County), 2.31 inches in Wantage (Sussex County), 2.30 inches in Montague (Sussex County), 2.25 inches in Absecon (Atlantic County), 2.14 inches at the Atlantic City International Airport, 2.12 inches in Stewartsville (Warren County), 2.10 inches in Atsion (Burlington County), 1.87 inches in Millville (Cumberland County), 1.86

| | | Time | Path | Path | Numb | | Estimated | March 199 |
|---------------------------|--|---|---|---|--|--|---|--|
| Location | Date | Local/ Standard | Length (Miles) | Width (Yards) | Pers Killed | ons Injured | Damage Property Crops | Character of Storm |
| NEW JERSEY, South | and N | Northwest | | | | | | |
| | inches in Son Cherry in New County | at the McGui nerdale (Camd Hill (Camder Brunswick (y), 1.41 inche | en County) a n County), 1.0 Middlesex Co s in Chathan | and Pottersville 62 inches in Sp ounty), 1.47 in | (Somerset Co arta (Sussex C ches in Werts nty), 1.28 inch | ounty), 1.7 County), 1. ville (Hun | 2 inches in Seabrook 52 inches in Lambert terdon County), 1.43 | n Cape May Courthouse, 1.74 inche (Cumberland County), 1.64 inches ville (Hunterdon County), 1.50 inche inches in South Harrison (Glouceste ty), 1.21 inches in Trenton (Merce |
| NJZ012>014-019>026 | | tic - Wester 0300EST | n Cape Ma | | | | ington - Western (Atlantic - Eastern | Ocean - Cumberland - Wester Ocean Wind |
| NJZ013>014-026 | Wost | 1100EST | | rn Monmout | h Factorn | Ocean | | |
| NJZ0132014-020 | 09 Strong | 0300EST 0700EST east to southe | ast winds pre | eceding and acc | 0 companying a | 0 low pressu | | Tidal Flooding nt brought wind gusts as strong as 5 |
| | heavy | | ss at the time | | | | | y morning high tide on the 9th. Th shore. The strongest winds occurre |
| | down t Monm afterno southe | tree limbs and outh and Ocea oon around 43 ast part of the | power lines. an Counties to 0 p.m. EST. state the mo | GPU reported the morning of Farther south prning of the 9th | about 9,000 h the 9th. The h, Atlantic Ele h and all but 1 | omes and last 2,500 ectric repo 70 had po | businesses lost power in Point Pleasant (O rted about 2,400 hon ower restored by 230 | unty). The strong winds also pulle r in Central New Jersey in Middlese cean County) were back on line that hes and businesses lost power in the p.m. EST that afternoon. Peak win mona and 46 mph in Harvey Cedars |
| | County school notably | y) the combina closures for t | ation of heav he day. In C cean Beach so | y rain and high Dcean County, : | er than norma minor tidal flo | l tides flo oding was | oded the streets with s reported from Point | n the 9th. In Keansburg (Monmour more than 2 feet of water and force Pleasant to Long Beach Island mos flooding was also reported in Seasic |
| Ocean County Tuckerton | 09 | 0832EST | , | | 0 | 0 | | Thunderstorm Wind (G70) |
| I UCKEI IOII | A squa County county | 0838EST all line of sev y. These thur y. The worst | vere thunders aderstorms of damage occu | ccurred within urred in Tucker | d pockets of a system that ton as the thu | hurricane was alrea inderstorm | dy producing wind g as tore off the roofs f | m Tuckerton to Waretown in Ocea usts as strong as 55 mph within th from a couple of summer homes ar k in Waretown was knocked over. |
| NJZ001-008 | | x - Morris 0200EST 1200EST | | | 0 | 0 | ŗ | Wintry Mix |
| | the day sunrise northw roadwa Unfort | sleet and freez y on the 18th. e. Precipitation vestern Sussex ays were hazar unately while | ing rain over Precipitatior n was all rain County was rdous. A low it was warm | a started in the by around 9 a still experienci v pressure syste | early morning m. in Morris (ng freezing rai em in the Miss n above the gi | as sleet an County. P in. Storm sissippi Va | nd freezing rain and s recipitation ended by totals were generally alley pumped moisture | Morris County during the first half of lowly changed over to plain rain aft noon, but even then High Point in f under a quarter of an inch. Untreate e east into the Middle Atlantic State ace left by a departing high pressur |
| Mercer County Trenton | 19 | 1125EST | , | | 0 | 0 | | Flood |
| | The ur Merce tenths Assun crested 19th au | 1340EST seasonably w r County. Rai of an inch pe pink Creek. In l at 7.1 feet at nd pumped in | et year and n in began agai r hour) betw n Trenton, th 1215 p.m. E moisture fror | in across centra veen 3 a.m. and e creek was ab ST. The low p | a set the stage I New Jersey I 8 a.m. EST ove its 7 foot pressure system fexico and the | for floodi toward mi on the 19 flood stag n responsi Atlantic (| idnight on the 18th ar th. This was too mu ge from 1125 a.m. unt ble for the rain was in | nk Creek around noon on the 19th i dd fell at a moderate clip (around tw ich for the saturated ground and th il 1:40 p.m. EST the on the 19th. I n the Ohio Valley the morning of th Atlantic States. Storm rainfall tota |
| NJZ001-007 | | x - Warren 0700EST 0800EST | | | 0 | 0 | | Wintry Mix |

| | | Time Local/ | Path Length | Path Width | Number Person | | Estimated Damage | | March 1998 |
|----------------------------|---|---|--|---|---|---|---|--|---|
| Location | Date | Standard | (Miles) | Width (Yards) | | s Injured | Property Crops | Character of Storm | |
| NEW JERSEY, South | and No | orthwest | | | | | | | |
| | through New Ye snow by in Warr pressure in the d burst of included Stewarts 21st, to | sunrise on the ork State and the evening, en County. e system (near ay on the 21: heavier snow 14 inches in 1 swille. The low just east of D | a 22nd. Prec Canada, prec starting first Periods of lig r Cape Cod tl st and thus a w that accom Highland Lak w pressure sy elaware the e | cipitation starte cipitation slowl in the higher el ght snow persis he morning of t ccumulations w panied the upp tes and Montag stem that cause wening of the 2 | d as rain before y changed over evations. It too ted through the he 22nd) move yere held down er level low pr ue, 2 inches in V d the wintry mi | e dawn of from rai k a while night of d through mainly essure sy Wantage x moved l the mor | ross Northwest New in the 21st, but as cold in to sleet in the mor e for precipitation to b the 21st until the upp in the region. The heat between two and four ystem early in the mod and Newton, 1.5 inch northeast from North ming of the 22nd. Th | d air was drawn into ning and early aftern ecome snow in the v per level low guiding wiest precipitation for inches. The region porning on the 22nd. tes in Hackettstown a Carolina early in the | the region from noon and then to alleys, especiall g the surface low ell as rain earlier n also avoided Accumulation and 0.6 inches ir e morning on the |
| NJZ008 | Morris | | | | 0 | 0 | | | |
| | 21 22 | 0700EST 0900EST | | | 0 | 0 | | Winter Storm | |
| | | | | 0 11 | ÷ 1 | | a winter storm across on from New York St | • | |
| NJZ013>014-024>026 | to occur through low gui Accumu 4 inches morning steering | in the far so the night of iding the su lations avera s in Chatham g on the 21st, the surface s | utheastern pa the 21st and rface low p ged around 6 i. The low p to just east o ystem moved | rts of the count were enhanced ressure system inches and inc ressure system of Delaware the through New J | ty. The change toward daybrea (nearing Cap luded 7 inches that caused the evening of the fersey during th | to snow ik on the e Cod t in Butler, e winter e 21st to e early m | of the county and too followed a similar sl 22nd in the eastern p the morning of the , 6 inches in Jeffersor storm moved northea Cape Cod the mornin torning on the 22nd. ay - Eastern Atlan | ow path. Periods of parts of the county a 22nd) moved thro a Township, 5 inches ast from North Caro ag of the 22nd. The | f snow persisted s the upper level ugh the region in Marcella and lina early in the upper level low |
| NJZ013>014-024>020 | 21 22 | 1130EST 0330EST | | II WOIIIIOUU | 0 | 0 | ty - Eastern Atlan | Coastal Floodi | |
| | the 21st feet abo feet abo pressure two tide to the ne tidal floo | and the very ve mean low ve mean low e system mov cycle event. ortheasters th | y early morning water at Sand water at Cap ed quickly, w Winds guste at battered the northeast fro | ng on the 22nd ly Hook, 6.7 fee e May. The hi vinds shifted to d to between 4 e region during m North Caroli | . Tides average et above mean l ghest tides occu the northwest a 5 and 50 mph al g late January as | ed betwe ow water urred with round su ong the i nd early | around the time of hi en 2.5 and 3.0 feet al r at both Atlantic City h the early morning h nrise on the 22nd and immediate shore, but February. The low p on the 21st, to just eas | bove normal and ready and Manasquan Inle igh tide on the 22nd d tidal flooding was these conditions pale ressure system that of | ched around 7.5 et and around 7.6 Since the low limited to only a d in comparison caused the mino |
| NJZ013-019 | | n Monmou | | igton | 0 | 0 | | a | |
| | southwe within t generall | est to northea his band ave y two inches | noved over N st corridor fr eraged 3 to 5 or less. Accu | om Mount Lau 5 inches. Else | where across c uded 5.5 inches | on Count entral ar | the 22nd and produce ty to Sandy Hook in ad southern New Jer v Hook, 4.5 inches in | Monmouth County, sey, accumulations | Accumulation were lighter and |
| NJZ001-007>010- 012>026 | Merce | r - Salem - | Gloucester ay - Eastern | - Camden - I | Burlington - | Wester | x - Western Monr n Ocean - Cumber Eastern Ocean | | Atlantic - |
| | through | • | rm air mass The warme | | - | | g high temperatures a interior central and so | • | |
| | Several previous warmes tied its l | locations acro s March mon t March day o March month | oss the Middl athly record of this century ly record of 8 | e Atlantic State of 85 degrees s in New Bruns | es established no set in 1977 with wick with a high previously on M | ew March h a high h of 88 d | a few locations reach h monthly high temper temperature of 89 d legrees. The Atlantic 1945. The excessive | erature records. Mor egrees on the 30th. City International A | ristown broke it It was also the irport in Pomon |

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along the New Jersey Transit lines in Middlesex County.

| IEW JERSEY, South an N 29 (N (S C Si Si Si C C C C C C C C | Vew da 9th an Monme Somers County Sussex South F | ily record hig d in Morrist outh County set County),), 88 degrees (Sussex Cou | own on the 3), 90 degrees 89 degrees in in Cherry Hi | 0th and 31st. in Mount Hol | City Internationation | njured al Airport o | Damage Property Crops on the 27th and 30th | | |
|--|--|--|---|---|---|--|--|---|---|
| N 29 (N (S C S 1 S C C C C C | Vew da 9th an Monme Somers County Sussex South F | ily record hig d in Morrist outh County set County),), 88 degrees (Sussex Cou | own on the 3), 90 degrees 89 degrees in in Cherry Hi | 0th and 31st. in Mount Hol | Across the re | | | | () M |
| 29 (N (S C S S C C C C | 9th an Monme Somers County) Sussex South F | d in Morrist outh County set County),), 88 degrees (Sussex Cou | own on the 3), 90 degrees 89 degrees in in Cherry Hi | 0th and 31st. in Mount Hol | Across the re | | | | - M- 1 |
| NJZ013>014-016- W | loudin |) and at High less and a col | ucester Count Point (Sussex d frontal pass | ll (Camden Con ees in Stewarts y), Seabrook a County), 83 de age on April 1st | Morris County), unty), Flemingt wille (Warren G nd Millville (be egrees at Cape M slowly brough | County), Toms Ri on (Hunte County) ar oth Cumbe May Court t temperatu | highest temperature Long Beach Island ver (Ocean County), rdon County), New d the Atlantic City rland County), 84 c house and 82 degree tres back to seasona cean - Cumberla | and Washington's (Brunswick (Middle International Airpo legrees in Long Bra s at the Marina with l levels in early Apri | rees in Freehold and Belle Mea Crossing (Merce sex County) an rt, 86 degrees in nch (Monmout in Atlantic City I. |
| 020>026 V 31 Fe Je w p1 be w | Vester 1 followi ersey a veighte recipit etweer vettest | rn Cape M 2359EST ng a trend that nd also for the d county average to 5 and 6.8 in March on reco | ay - Eastern at has lasted the ecounties ald erage precipit was between nches and rep cord at the Atl | n Cape May - the whole year second Delaware B ation totals were in 175 and 200 presented a depart | • Eastern Atl 0 o far, March 19 ay. In Atlantic re between 150 percent of nor arture of betwe na as 6.29 incho | antic - E 0 98 was an c, Cumberl) and 175 mal. Cou en 2.0 an es of preci | astern Ocean unseasonably wet m and, Monmouth, Oc percent of normal. nty weighted averaged 3.1 inches above pitation fell. It was | Unseasonably onth for the coastal ean and Salem Cour In Cape May Cour ge monthly precipit normal. March 199 | Wet counties of New nties the monthl nty, the monthly ation totals wer 98 was the tent |
| EW MEXICO, Central | l and | <u>North</u> | | | | | | | |
| 00 07 B 7 | 6 7 Bands of inches | 1800MS' 1200MS' of heavy snow s of wet snow | Γ Γ v spread north v while amour | east during the | 0 night from wes | 0 t central N | ew Mexico into the Four to six inch amo | Heavy Snow northern mountains. | * |
| | | n Catron cour | | | | | | | |
| | Centra | | ins/Estancia | - Northeast a Valley Cou | | Westcent 0 | ral Mountains - 40K | Sandia/Manzano Heavy Snow | Mountains - |
| ar V ar ea li _t | A slow nd dun Vegas. reas sr astern ght sho | nped heavy w Pietown mea now amounts Bernalillo Co ed damage w | er storm feed vet snow from sured 12 inch averaged 8 in punty causing ere also report | the west centrates in the west centrates in the west west west west which here is the hear power and photon in the here is there is there is the here | al mountains no while Gascon ro vy wet snow do one outages affe unty. Interstate | ortheastwa eported 24 owned tree ecting over 40 was clo | now of 32 inches at rd into the Sangre d inches in western N es and utility lines in 2000 customers fo sed at Tijeras for 6 l | e Cristo Mountains Mora County. Outsid n the east mountain r 24 to 48 hours. Po | northwest of La de these isolated communities o wer outages an |
| | Northe 7 | east Highla 1800MS 0700MS | nds Г | | 0 | 0 | | Heavy Snow | |
| | | • | | eported an isola atral Mounta | • | | f 18 inches. C ounty Plains | | |
| 23 A | 3 At least | 1300MS' five New M | Γ exico cities st | retching from F | o armington and | 0 Gallup in | the northwest to Tuc 80s in the east and t | | d Carlsbad in th |
| | Plains | | alley Coun | le Rio Grand ty - Capitan/ | | | nzano Mountains Mountains | s - Central High High Wind (G | 50) |
| A | stron | 2100MS g upper leve st along the S | Г I low pressur Sangre de Cris | to foothills from | n near Las Veg | as north to | nuch of New Mexi Raton, and over th en struck by a fallin | co with gusts above e mountain ridges n | e 50 mph in th |
| EW MEXICO, South C | Cent | ral and So | outhwest | | | | | | |
| | | REPORTED | | | | | | | |

NEW MEXICO, Southeast

| Eddy | County |
|------|--------|
|------|--------|

| 4 ENE Loco Hills 17 1455MST 0 0 Hail (1.0 | 4 ENE Loco Hills | 17 | 1455MST | | 0 | 0 | Hail (1.0 |
|---|------------------|----|---------|--|---|---|-----------|
|---|------------------|----|---------|--|---|---|-----------|

| | St | torm I | Data ai | nd Unu | sual W | eath | er Phenon | nena | |
|--|---|--|--|---|---|---|--|---|---|
| Location | Date | Time Local/ Standard | Path Length (Miles) | Path Width (Yards) | Number Person Killed l | | Estimated Damage Property Crops | Character of Storm | March 1998 |
| NEW MEXICO, Sout | heast | Standard | (ivines) | (Taius) | Kined | njured | Troperty Crops | | |
| Lea County Hobbs | 17 | 1608MS' core upper le | | wed through the | 0 e region with a s | 0 500 mb te | emperature of -21C a | Hail (0.75) t KMAF. | |
| <u>NEW YORK, Central</u> NYZ009-015>018- | | ern Onedia | - Yates - S | eneca - South | iern Cayuga | - Onon | daga - Madison - | Southern Oneida - | Cortland - |
| 036>037-044>046-057 | Chena 14 15 An . of the 1 region pressur Catskill Dur energy and loc The commo Rock. | ngo - Otse; 0100EST 0300EST Alberta clipp 5th. A fairly eastward to e system mo ls, also produ ring daylight and multi-ba ally heavy ar e heaviest sn on by sunrise For many ot | go - Delawa c r type storm v narrow east t the Mohawk wed off the N hours on the und developm mounts in One owfall totals on the 15th. | system moved of to west band of Valley and no Jew Jersey coa of snow across t 15th and into th ent off Lake O ida county. for this entire e Some specifi central New Yo | 0 eastward across moderate to he: rthern sections st, it began to a his region. he very early m ntario produced went were acros c totals include | 0 Pennsyla avy snow of the S slow dow orning h several ss northe d 11 inc eraged 5 | vania during the late of fell during this time Susquehanna region vn and throw Atlanti ours of the 16th, the more inches of snow ern Oneida county, w hes in Westernville to 8 inches. Locke | Heavy Snow evening of the 14th an frame from the northe in central New York. ic moisture back over combination of addition for many parts of ce there 8 to 12 inch acc and Forestport, and 9 in southern Cayuga c | d early mornin rn Finger Lak Once the lo sections of th onal upper lev ntral New You umulations we inches in Poi |
| NYZ009-015>018- 022>025-036>037- 044>046-055>057-062 | Tompl Sulliva 20 22 A lo A notal the 21s This ro where 4 Fro strength 22nd. Sno | kins - Madi an 2100EST 0900EST ow pressure s ble spoke of it. A burst of und of snow 4 to 8 inches m the evenin hening furthe | ison - South system slowly upper level er f heavy snow was primarily fell within rou g of the 21st rr. As this oc or this entire of | intensified over nergy rotated ar resulted, which / concentrated f / ghly a 6 hour p through the 22 ecurred, narrow | • Cortland - (0 er the Carolinas ound this storm n was mixed wi rom the central veriod. nd, the storm cc bands of very viest across the | 0 from the and affe th sleet a southerr enter beg heavy si Finger L | go - Otsego - Tiog e evening of the 20th ected central New Yo and freezing rain nea a tier of New York no an to move northeast nowfall developed ov akes and central south | Schuyler - Chemur ga - Broome - Delay Heavy Snow through much of the of ork during the early m r the New York/Penn- orthward into the Fing tward off the Mid-Alta vernight into the early hern tier regions. Acc inty picked up 15 inch | ware - lay on the 21s orning hours of sylvania borde er Lakes regio antic coast whi morning of th umulations of |
| | Yates c snow o inches Elsewh the 22n | county receive courred from were comme ere in central ad. | ed 9 inches, w a eastern Broo on here, inclu l New York, o | while Auburn and me and Otsego ading 9.5 incher event totals ave | d Sterling in Ca counties into thes in Afton of | yuga cou he Catsk Broome | inty got 10 to 11 inch ills early in the morn county and 9 inch | hes. Another narrow ro ing on the 22nd. Am es in Stamford of De off during the mid to | egion of heavie ounts of 7 to 1 elaware count |
| NYZ015-017>018 | 28 A fa New Y In Y large tr | 1740EST 1900EST ast moving lin ork late in the Yates county rees and utilit | The of showers e afternoon or on top of Ital ty poles were | transported str the 28th. y Hill, wind gu blown over in | ists toppled pov downtown Aub | ver lines urn of so | as the squall line pus outhern Cayuga count | High Wind (G5 oss the Finger Lakes r shed through. Further ty and Camillus of we ower outages resulted | egion of centr east, numerou stern Onondag |
| NEW YORK, Coastal | | | | | | | | | |
| Nassau County Countywide | 08 09 | 2200EST 1800EST | | | 0 | 0 | | Urban/Sml Stre | am Fld |
| Suffelly County | | | | | | | | | |

| Suffolk County | | | | | |
|----------------|----------|--------------------|---|---|----------------------|
| Countywide | 08 09 | 2200EST 1800EST | 0 | 0 | Urban/Sml Stream Fld |
| | 09 | 1000E51 | | | |

| | | Time Local/ | Path Length | Path Width | | ber of sons | Estin Dan | | March 1998 |
|--------------------------------------|------------|--------------------|----------------|---------------|--------|----------------|--------------|-------|----------------------|
| Location | Date | Standard | (Miles) | (Yards) | Killed | Injured | Property | Crops | Character of Storm |
| NEW YORK, Coas | <u>tal</u> | | | | | | | | |
| Bronx County Countywide | 09 | 0100EST 0700EST | | | 0 | 0 | | | Urban/Sml Stream Fld |
| Kings County Countywide | 09 | 0100EST 0700EST | | | 0 | 0 | | | Urban/Sml Stream Fld |
| New York County Countywide | 09 | 0100EST 0700EST | | | 0 | 0 | | | Urban/Sml Stream Fld |
| Queens County Countywide | 09 | 0100EST 0700EST | | | 0 | 0 | | | Urban/Sml Stream Fld |
| Richmond County Countywide | 09 | 0100EST 0700EST | | | 0 | 0 | | | Urban/Sml Stream Fld |
| Rockland County Countywide | 09 | 0100EST 0700EST | | | 0 | 0 | | | Urban/Sml Stream Fld |

Two low pressure systems formed along a front over the Southeast U.S. One low formed over the Western Gulf of Mexico and another formed off the Southeast U.S. Coast. As both lows moved north-northeast, they intensified. A strong moist east wind flow developed ahead of the approaching strong warm front.

This system produced widespread heavy rainfall including thunderstorms that caused widespread urban and small stream flooding across the region. Many low-lying and poor drainage areas, including streets were flooded throughout the area. For example, significant street flooding occurred on Wellwood Ave. in North Lindenhurst (Nassau County) and on Riverside Ave. in Amityville (Suffolk County). Rainfall began around noon on March 8th and became heavy producing flooding by the times indicated above.

This system also produced strong wind gusts from 40 to 50 mph that in combination with the heavy rain caused some tree limbs to fall along with scattered power outages.

Here are selected rainfall amounts:

o For Rockland County, from 1.44 inches at Suffern to 2.38 inches at Nanuet.

o For New York City, from 2.30 inches at Central Park to 2.73 inches at LaGuardia Airport. For March 9th at Central Park, a new daily rainfall record was set. The new record is 1.82 inches and the old record was 1.70 inches (1983).

o For Nassau County, from 2.62 inches at Levitown to 3.04 inches at Sea Cliff.

o For Suffolk County, from 3.21 inches at Bridgehampton to 4.49 inches at the NWS Office at Upton.

| Westchester County | | | | | |
|--------------------|----|---------|---|---|-------|
| Countywide | 09 | 0300EST | 0 | 0 | Flood |
| - | | 1000EST | | | |

Two low pressure systems formed along a front over the Southeast U.S. One low formed over the Western Gulf of Mexico and another formed off the Southeast U.S. Coast. As both lows moved north-northeast, they intensified. A strong moist east wind flow developed ahead of the approaching strong warm front.

This system produced widespread heavy rainfall including thunderstorms that caused serious widespread urban and small stream flooding across the county. Many low-lying and poor drainage areas, including streets were flooded throughout the area. For example, up to 3 feet of water collected in the southbound lane of the Bronx River Parkway near Palmer Road in Bronxville. At least 12 vehicles became submerged in water and required towing from this area. Additionally, up to 33 vehicles required towing at various locations along the Bronx River Parkway. Heavy rain also caused roof and basement flooding.

Rainfall began around 1 pm on March 8th and became heavy producing flooding by around 3 am on March 9th. Rainfall amounts generally ranged from 2 to 4 inches. At Westchester County Airport, 3.06 inches was measured.

This system also produced strong wind gusts from 40 to 50 mph that in combination with the heavy rain caused some tree limbs to fall along with scattered power outages.

| | | Time | Path | Path | Number | | Estimated | March | 1998 |
|--|---|---|--|--|--|---|---|--|---|
| Location | Date | Local/ Standard | Length (Miles) | Width (Yards) | Person Killed | 1s Injured | Damage Property Crops | Character of Storm | |
| NEW YORK, Coastal | | | | | | | | | |
| NYZ069 | Island | 0400ES 1130ES pressure sys during early | T tem develope afternoon. He | | | • | • • | Heavy Snow wed northeast, passing east o ll amounts ranged from 4 to 8 | - |
| NEW YORK, East | across | Rockland Co | ounty. | | | | | | |
| NYZ043 | 09 11 From | | T March 11, the | | - | • | | Flood ng was mainly confined to lo lood stage at Granville is six i | |
| NYZ040-047>048 | - | | choharie - V T | Western Scho | | 0 | ining of filmen 10. | Flood | eet. |
| | At Bu | arch 10, mino rtonsville, the | r flooding oco creek crested | at 6.2 feet duri | ng the early afte | | Central Bridge in Sch Flood stage at Burtons | oharie County to the Mohawk ville is 6 feet. | River. |
| NYZ033-058-063 | Hami 14 15 | ilton - West 0300ES 0000ES | Т | - Western U | lster 0 | 0 | | Winter Storm | |
| NYZ032>033-039- 041>043-047>048-051- 058 | in Gre remain Nortl | eene County, nder of the are hern Herkin | 10 inches at ea snow totals mer - Hamil vestern Alba | Slide Mountai generally range | n in Ulster Cou ed from 2 to 5 in - Northern S | inty and thes. Th | 8 inches at Piseco L ne heavy wet snow ca | tals included: 9 inches at Platt ake in Hamilton County. O used numerous traffic acciden ington - Schoharie - West Winter Storm | ver the ts. |
| | 22 During precip region mixing numer wester | 1200ES g March 21 itation fell m g generally ran g with and c ous accidents m Albany Co | T and 22, a co- ainly as snow loged from 6 to hanging to sle s. Some spec- unty, 8 inches | in the souther 10 inches. Sneet and freezin ific snowfall to a t Saratoga S | oduced a mix o n Adirondacks, owfall was much g rain. Interst tals included: 1 prings in Sarato | of snow, upper H h lighter of ate 88 in 2 inches oga Count | udson Valley and no over the remainder of a Schoharie County at Whitehall in Was | ain across eastern New Yor rthern Catskills. Snow totals the region due to the snow fre vas closed for several hours nington County, 7 inches at F vater Reservoir in northern Ho | in this equently due to Berne in |
| NYZ032>033- 038>043-047>054- 058>061-063>066 | Wasł - Eas | nington - Sc tern Albany | hoharie - W y - Western | /estern Scher Rensselaer - | nectady - Eas Eastern Ren | tern Scl sselaer | henectady - South - Western Greene | Northern Saratoga - War ern Saratoga - Western A - Eastern Greene - West chess - Eastern Dutchess | Albany ern |
| | 27 31 The er a persi | 1200ES 1900ES nd of March v istent souther | T T vas a period o ly flow. Reco | f record heat ac | 0 cross eastern Ne atures were set | 0 w York a at Albany | as strong high pressur | Excessive Heat e off the Mid-Atlantic coast pr On March 31, the mercury | roduced |
| NYZ033 | Hami 29 31 | ilton 1600ES 2359ES | | | 0 | 0 | | Flood | |
| | just so April | outh of Wells 1, with a read | to Northville. | Most of the f | 0 0 | fined to I | U | Iton County. Flooding occurr oute 30. The river crested at I | |
| NYZ042 | Warı 31 | 0800ES | | | 0 | 0 | | Flood | |
| | floodi | ng the flood | uring the end of waters were co | onfined to low | - | the river. | | County. During the initial s continued to flood until April | - |

| | | Time Local/ | Path Length | Path Width | Number Person | | Estimated Damage | Ν | Aarch 1998 | |
|-----------------------|---|-----------------------------|----------------|----------------------------|------------------|--------------|-----------------------|---|------------------|--|
| Location | Date | Standard | (Miles) | (Yards) | | s Injured | Property Crops | Character of Storm | | |
| NEW YORK, North | | | | | | | | | | |
| NYZ026>031-034>035 | North | ern St. Lawı | rence - No | rthern Frank | lin - Northea | et Clint | ton - Southern St | . Lawrence - Southe | rn Franklir | |
| 11120202051-0542055 | | | | rn Essex - Ea | | | ion - Southern St | . Lawrence - Bouthe | 1 II 1 1 4IIKIII | |
| | 14 | 0800EST | | | 0 | 0 | | Light Snow | | |
| | 15 An area | 0200EST | ire moved a | cross northern N | Jew York Satu | rday (Ma | rch 14) and then int | o northern New England | d The system | |
| | | - | | | | • | | ex pattern of snowfall | • | |
| | accumu | lations of gene | erally 3 to 6 | inches across no | orthern New Yo | ork. | · • | | | |
| NYZ026>031-034>035 | | | | | | st Clint | ton - Southern St | . Lawrence - Southe | rn Franklir | |
| | | | on - Weste | rn Essex - Ea | | 0 | 50V | H | | |
| | 21 22 | 1000EST 1400EST | | | 0 | 0 | 50K | Heavy Snow | | |
| | A storm | n system along | | | | | | to the Gulf of Maine lat | | |
| | | | | | | | | mber of traffic accidents | | |
| | - | • | | * | | • | from across the area | ations were generally 8 | s to 18 inches | |
| | deross i | | | | in show accun | | | | | |
| | | rg Depot | | county) | | | | | | |
| | South C Malone | | | rence county) 1 county) | | | | | | |
| | Ray Bro | | | county) | | | | | | |
| Clinton County | | | | • | | | | | | |
| Countywide | 28 | 1550EST | | | 0 | 0 | 250K | Flood | | |
| | 31 Unseaso | 2359EST | weather res | ulted in dramati | c snowmelt wi | ith ranid | rises on rivers the | last few days of March | n In addition | |
| | | • | | | | 1 | | ating the flooding. Amor | | |
| | and rivers flooding were the Great Chazy which began flooding at 350 pm est Saturday March 28 and the Saranac River which began flooding at 8 AM Sunday March 29th. These rivers continued to exceed flood stage through the end of the month with road | | | | | | | | | |
| | | | | | | | | rough the end of the mo a, Champlain, Mooers a | | |
| | | | | | | | | towns of Ellenburg and | | |
| Essex County | 5 | | .,, | 8.5 | | | j i j i i j i i i | 0 | · · · · | |
| Countywide | 30 | 2330EST | | | 0 | 0 | 10K | Flood | | |
| | 31 Uncons | 0500EST | waathar ras | ultad in dramati | c snowmalt w | ith rapid | rises on rivers the | last few days of March | In addition | |
| | | | | | | | | ncing the runoff into ar | | |
| | | | | flooding betwee | | | | U | | |
| St. Lawrence County | | | | | | | | | | |
| Countywide | 31 | 0300EST 2359EST | | | 0 | 0 | 10K | Flood | | |
| | Unseaso | | veather resu | lted in dramatic | snowmelt with | rapid ris | ses on some rivers th | e last few days of Marc | h. In addition | |
| | showers | s and thunders | torms with | heavy downpou | irs moved acro | ss the ar | ea on the 30th enh | ancing the rises in river | rs. Among the | |
| | | | - | - | - | These riv | vers continued to exc | eed flood stage through | the end of the | |
| Franklin County | monun v | with extensive | mena mooan | ng and some road | u ciosures. | | | | | |
| Countywide | 31 | 0300EST | | | 0 | 0 | 10K | Flood | | |
| | | 2359EST | | | | | | | | |
| | | | | | | | | last few days of March ing the runoff into strea | | |
| | | | | • I | | | | nd of the month. This re | | |
| | road clo | | e | I | e | 5 | e | | | |
| <u>NEW YORK, West</u> | | | | | | | | | | |
| NYZ010-012-019>020 | Erie - | Wyoming - | Chautauq | ua - Cattarau | | | | | | |
| | 14 15 | 1733EST | - | | 0 | 0 | 50K | Heavy Snow | | |
| | 15 Cold air | 0200EST r crossing the y | varmer wate | rs of Lake Erie | produced lake e | effect sno | w squalls. The heav | y snow resulted in slick | roadwavs and | |
| | | | | | | | | the Skyway in downtov | | |
| | about 9 | 0 minutes. Sn | owfall amou | ints included: 6 | at the Buffalo | o Airport | ; 7" in Jamestown; | 8" in Ellicottville; 10" i | n Arcade and | |

South Dayton; and 12" in Perrysburg.

| | | Time | Path | Path | Numbe | r of | Estimated | March 1998 |
|-------------------------------------|----------|--------------------------------|---------------|---------------------------------------|------------------|--------------|--|--|
| Location | Date | Local/ | Length | Width | Perso | ns | Damage | |
| | Date | Standard | (Miles) | (Yards) | Killed | Injured | Property Crops | Character of Storm |
| <u>NEW YORK, West</u> | | | | | | | | |
| NYZ001>008- 010>014-019>021 | | | | e - Wayne - N Itario - Chaut | | | | - Lewis - Erie - Genesee - |
| 010/014-01//021 | 21 | 0950EST | 0 | | auyua - Can 0 | araugu. 0 | 280K | Heavy Snow |
| | 22 | 0615EST | | | | | | |
| | | | | | | | | entire region. The storm began as a day morning. The heaviest snow from |
| | | U | | | | 0 | • | nd Oswego county. It was the largest |
| | | | | | | | • | mely slick and innumerable accidents |
| | | | | | | | | throughout the area. Specific snowfall 12" in Rochester and Buffalo; 11" in |
| | | | | | | | | Mount Morris and Watertown. |
| NYZ001>008-010>014 | 0 | | | e e | orthern Cay | uga - O | swego - Jefferson | - Lewis - Erie - Genesee - |
| | | ing - Livin | 0 | tario | 0 | 0 | 20017 | |
| | 28 | 1548EST 1901EST | | | 0 | 0 | 380K | High Wind (G62) |
| | | | | | | | | 70 mph, downed numerous trees and |
| | | - | - | - | | | Genesee county, a ca wn away) was also re | mping trailer was overturned by the |
| NYZ007>008 | • | son - Lewis | - | i.e. siding torn (| | ligies bio | wir away) was also rej | poned. |
| | 30 | 0735EST | | | 0 | 0 | 50K | Flood |
| | 31 | 2300EST | | cultad in ranid | malt of the c | ownook | on the Tug Hill pla | teau. The snowmelt combined with |
| | | | | | | | | atertown. Lowland flooding occurred |
| | both at | Carthage and | Castorland. | The river remai | ned above floo | d stage at | Watertown through t | he first week of April. |
| NORTH CAROLINA | , Centr | al | | | | | | |
| Wayne County | 00 | 1510507 | | -0 | 0 | 0 | 10077 | |
| 7 NE Goldsboro to 8 NE Goldsboro | 08 | 1710EST 1715EST | | 50 | 0 | 0 | 100K | Tornado (F2) |
| | | ado touched | down in the | - | • | | | ro. The tornado reached a maximum |
| | - | | • | | | - | | vay between Eureka and Patetown. A w completely through the trailers front |
| | | d logged in th | | | (wood) nom t | ne tobace | to ball. The wood he | w completely unough the trailers from |
| Johnston County | | | | | | | | |
| Selma | 09 | 0150EST | | | 0 | 0 | | Flash Flood |
| Wake County | | 0330EST | | | | | | |
| Raleigh | 09 | 0150EST | | | 0 | 0 | | Flash Flood |
| - | Th | 0330EST | | · · · · · · · · · · · · · · · · · · · | | | | ad most of Johnston country Country |
| | | - | • | • | | | • | nd most of Johnston county. County ir banks in both counties. The most |
| | flooding | g in Wake co | ounty was are | ound the south s | ide of Raleigh | where se | everal roads had to be | closed. In Johnston county, flooding |
| | | orted from m d in less than | • | s including Seln | na and Clayton. | Several | rural roads were close | ed. Rainfall amounts of 1 to 1.5 inches |
| Sampson County | occurre | u ili iess ulali | an nour. | | | | | |
| 5 E Salemburg to | 09 | 0155EST | | | 0 | 3 | 90K | Thunderstorm Wind (G50) |
| 5.5 E Salemburg | A thur | 0205EST | | of microhursts | 5 miles east o | f Salamb | ura in Sampson soun | ty. On Bearskin Road, a double-wide |
| | | | | | | | | ailers in the same area, one just a fe w |
| | hundre | d feet from tl | ne destroyed | one, were left u | indamaged. An | other mi | icroburst was noted a | bout a half- mile east of the first one. |
| | | the area sust | | | factured home | on Five I | Bridges Road. Severa | l pine tress were snapped off but most |
| | uces III | ane area sust | ance nuc u | unugo. | | | | |
| Johnston County | | | | | | | | |
| Smithfield | 09 | 0245EST | | 1 001 0 | 0 | 0 | | Thunderstorm Wind (G50) |
| Halifar County | Several | trees were u | prooted and | snapped off in S | mithfield. The | damage | was associated with st | trong thunderstorm winds. |
| Halifax County Weldon | 09 | 0330EST | | | 0 | 0 | | Thunderstorm Wind (G50) |
| | | | | n the Weldon ci | | | reported by the Cour | ty Emergency Manager. |
| | Severa | | | | -, | | ronce of the cour | geney manager |

| | | Time Local/ | Path Length | Path Width | Number Person | | Estimated Damage | | March 1998 |
|---|---------------------|---|----------------|-------------------|--------------------------------|-----------------------|--|---------------------|--------------------|
| Location | Date | Standard | (Miles) | (Yards) | | is Injured | Property Crops | Character of Storm | |
| NORTH CAROLINA | <u>, Cent</u> | ral | | | | | | | |
| Montgomery County Mt Gilead | 19 | 0200EST 0500EST | | | 0 | 0 | | Flash Flood | |
| Chatham County Moncure | 19 | 0300EST 0500EST | | | 0 | 0 | | Flash Flood | |
| Moore County Robbins | 19 | 0300EST 0530EST | | | 0 | 0 | | Flash Flood | |
| Randolph County Sophia | 19 | 0300EST 0600EST | | | 0 | 0 | | Flash Flood | |
| Durham County Durham | 19 | 0400EST 0900EST | | | 0 | 0 | | Flash Flood | |
| Orange County Chapel Hill | 19 | 0400EST 1000EST | | | 0 | 0 | | Flash Flood | |
| Wake County Raleigh | 19 | 0400EST 0650EST | | | 0 | 0 | | Flash Flood | |
| Granville County Oxford | 19 | 0700EST 0930EST | | | 0 | 0 | | Flash Flood | |
| Vance County Bear Pond | 19 | 0700EST 1000EST | | | 0 | 0 | | Flash Flood | |
| Warren County Warrenton | develo | ped near the fr | ontal bounda | ary and moved | slowly across | Montgoi | a during the early m nery, Moore, and Ra son, and Warrenton. | | |
| | | rous roads had t ted ground. | to be closed | in Chatham, W | ake, Durham, a | and Vanc | e counties. Rainfall a | mounts up to 4 inch | es fell on already |
| Forsyth County Pfafftown Forsyth County | 20 | 1436EST | | | 0 | 0 | | Hail (1.00) | |
| Winston Salem | 20 Quarte | 1520EST er size hail fell | in downtowr | Winston-Saler | 0 n, reported by 1 | 0 NWS spo | tter. | Hail (1.00) | |
| Davidson County Denton Person County | 20 | 1550EST | | | 0 | 0 | | Hail (0.75) | |
| Roxboro | 20 A Sky | 1600EST warn Spotter ol | oserved silve | r dollar size hai | 0 I in the city of I | 0 Roxboro. | | Hail (2.00) | |
| Randolph County Archdale to Sophia | 20 Nicke | 1605EST 1612EST l size hail fell in | 1 Archdale a | nd a few minute | 0 es later, dime si | 0 ze hail w | as reported in Sophia | Hail (0.88) | |
| Alamance County Burlington | 20 | 1700EST warn Spotter ol | | | 0 | 0 | | Hail (0.75) | |
| Person County Hesters Store | 20 Golfba | 1730EST all size hail repo | orted in Hest | er's Store comn | 0 nunity by a loca | 0 al sheriff. | | Hail (1.75) | |
| Randolph County 8 S Asheboro | 20 | 1740EST 1755EST | | | 0 | 0 | | Hail (0.75) | |

| | | | Path | Path | Number | | Estimated | March 1998 |
|--|--|--|--|--|---|---|--|---|
| Location | Date | | Length Miles) | Width (Yards) | Person Killed I | s njured | Damage Property Crops | Character of Storm |
| NORTH CAROLINA | , Centr | al | | | | | | |
| | | ize hail accumula ph county. This re | | | | und at a | rural location 8 mile | s south of Asheboro in south-central |
| Orange County Hillsborough | 20 Dime s | 1804EST | according to : | Skywarn Obs | 0 ervers about 1 | 0 mile ea | st of Hillsborough on | Hail (0.75) |
| Wake County | Dines | | according to | 51,9 10 11 0 00 | iervers about 1 | inne eu | st of Hinsborough on | |
| 1 SSE Holly Spgs | the roo | | | | | | | Tornado (F0) ched down very briefly and damage d ation from the home was then spread |
| Wake County | • • | | | | | | | |
| Garner | 20 | 1840EST 1842EST | 1.5 | 100 | 0 | 2 | 650K | Tornado (F2) |
| | snappe section | mado remained a d off. Several tree | es fell on hon d the steeple | nes and outb was blown of | uildings. The t ff the chapel. 7 | tornado (The debr | touched down on Hig | Trees were sporadically uprooted and hway 70 at a church. The roof of one ok out windows at a car lot across the |
| Wake County | • • | | | | | | | |
| Raleigh | US64 a billboar | at Wake Medical rd was twisted. 7 | Center and the tornado | he Tower Sl then crossed | hopping Cente the highway | r. Cars where i | were overturned, tree t lifted the roof off t | Tornado (F0) e of Raleigh. Damage began just off s were damaged, and a steel-beamed he business office of a tree nursey, rees well away from the path. |
| Durham County | | | | | | | | |
| Durham | 20 Dime h | 1820EST ail was reported of | on 15-501 in 1 | the city of D | 0 urbam by 911 | 0 | | Hail (0.75) |
| Wake County | Dime i | an was reported (| 511 15 501 m | the enty of D | iniani oy 911. | | | |
| Cary to | 20 | 1825EST | | | 0 | 0 | | Hail (0.75) |
| Raleigh | | 1830EST ize hail was repo n Street and the B | • | onal Weathe | r Service Emj | ployees | at Waverly Place in (| Cary and at a Raleigh residence near |
| Alamance County | | | | | | | | |
| Snow Camp | 20 Golfbal | 1830EST Il size hail occurre | ed at Snow C | amp in south | 0 ern Alamance | 0 county a | as reported by a firema | Hail (1.75) an. |
| Durham County | 20 | 1920567 | 25 | 100 | ٥ | 1 | (0017 | |
| 5 NE Bahama to 7.5 NE Bahama | 20 | 1830EST 1832EST | 2.5 | 100 | 0 | 1 | 600K | Tornado (F2) |
| | off a m the torr roof da home a ground home a | anufactured home nado damaged far mage. A large oa and reduced it to . The entire struct | e on a brick form sheds and ak tree, without just splinters ture was then tornado reach | oundation. O sent sheets o ut leaves, wa and rubble. sheared off ed its maxin | ne minor injur of tin flying in as snapped off The tornado p at the base and num intensity | y occurr all direct f at the picked u d spread (F2) at t | ed in the home. Down ctions. The tornado th base. Just 100 yards p the home, turned it into the adjacent field his point. Minor dam | do moved northeast and took the roo f a the road a half mile on Range Road, en hit a frame house with only minor away, the tornado hit a manufactured 90 degrees, and slammed it into the d and woods. Thankfully, no one wa s age occurred down the road to some |
| | Home of | lamage was estin | nated by Eme | rgency Mana | gement to be i | nearly \$4 | 450K and damage to b | usinesses was nearly \$150K. |
| Chatham County Silk Hope to Siler City | 20 | 1845EST | | | 0 | 0 | | Hail (0.75) |
| | Dime s | ized hail was repo | orted in Silk I | Hope and Sile | er City per Ch | atham 91 | 11. | |
| Chatham County Siler City | 20 Strong | 1845EST thunderstorm wir | nds destroyed | an outbuildii | 0 ng and wrappe | 0 d a smal | 15K l flatbad trailer around | Thunderstorm Wind (G50) d a tree. |
| Wake County Raleigh | 20 Quarter | 1846EST size hail was rep | oorted by a Sk | ywarn Obser | 0 ever at Mini Ci | 0 ity in nor | rtheast Raleigh. | Hail (1.00) |

| | St | torm D | ata an | d Unus | ual W | eath | er Phenor | nena | |
|--|---------------------------------------|--|--|--|--|--|--|---|--|
| | | Time | Path | Path | Number | | Estimated | | March 1998 |
| Location | Date | Local/ Standard | Length (Miles) | Width (Yards) | Person Killed | s Injured | Damage Property Crops | Character of Storm | |
| NORTH CAROLINA | A, Centr | al | | | | | | | |
| Granville County | 20 | 1055500 | | 100 | 0 | | 10077 | | |
| Berea | 20 | 1855EST 1857EST | 1.5 | 100 | 0 | 0 | 100K | Tornado (F2) | |
| | touched damage NC-115 home a | l down in Bere e appeared 1 mi 50, uprooted se | ea on Highwa ile to the north veral trees, an strewn across | y 158. A bri neast on Hebro d destroyed the fields and tree | ick ranch hor n Road (State e roof of a far etops. The to | ne sustain e Road 11 m house. rnado the | ned significant dan 50). The tornado de The tornado reache en moved over a wo | ortheast Durham counage to the roof and sstroyed several barns d F2 at this point. Th poded area, snapping | garage. The nex on both sides of e debris from the |
| Granville County | | | | | | | | | |
| Stovall | 20 Dime si | 1858EST ize hail fell in S | tovall on Hig | hway 15. | 0 | 0 | | Hail (0.75) | |
| Franklin County | | | 0 | • | | | | | |
| Louisburg | 20 Silver I | 1921EST Dollar size hail | occurred 5 to | 7 miles south c | 0 of Louisburg of | 0 on Highw | ay 401. | Hail (2.00) | |
| Durham County | | | | | | | | | |
| Bahama | 20 The Du | 1930EST rham county sh | eriff's departn | nent reported d | 0 ime sized hai | 0 1 in Baha | ma. | Hail (0.75) | |
| Franklin County | | · | | * | | | | | |
| 9 E Louisburg | on Hwy | | | | | | | Tornado (F1) er small tornado just o ge. Numerous trees v | |
| Person County Moriah | 20 | 1940EST | | | 0 | 0 | | Hail (0.75) | |
| Chatham County Bennett to Siler City | 20 | 1945EST | | | 0 | 0 | | Hail (1.00) | |
| Chatham County | 20 | 2000507 | | | 0 | 0 | | | |
| Pittsboro | | 2000EST 1.00 inch hail 1 4 miles north | | | | 0 City in | western Chatham co | Hail (0.75) ounty at 1945 and 0. | 75 inch hail was |
| Sampson County | 20 | 2000ECT | | | 0 | | 5017 | | |
| Taylors Bridge | 20 Two tu | 2000EST 2230EST rkey houses and | l one manufac | ctured home we | 0 ere damaged o | 0 on Union | 50K School Road near th | Thunderstorm the community of Tayl | . , |
| Orange County Chapel Hill | 20 Dime si | 2006EST zed hail was re | ported by Sky | warn on Highv | 0 vay 15-501 at | 0 Smith Le | evel Road. | Hail (0.75) | |
| Hoke County Raeford | 20 Hoke co | 2015EST ounty 911 repo | rted 1.00 inch | hail near Raef | 0 ord on Turnpi | 0 ike and G | ainey Roads. | Hail (1.00) | |
| Durham County Durham | 20 Durhan | 2030EST n Emergency M | lanagement re | ported quarter | 0 sized hail nea | 0 ar the Dur | ham and Orange co | Hail (1.00) unty line on I-85. | |
| Scotland County Wagram | 20 Dime h | 2045EST ail was reported | d by Emergen | cy Managemer | 0 nt Officials in | 0 Wagram | | Hail (0.75) | |
| Harnett County Lillington | 20 Golfbal | 2110EST Il sized hail occ | urred in Lillin | gton as reporte | 0 d by Harnett | 0 911. | | Hail (1.75) | |
| Cumberland County Fayetteville | 20 Quarter | 2118EST sized hail was | reported at C | edar Creek in F | 0 Fayetteville. | 0 | | Hail (1.25) | |
| Orange County Hillsborough | 20 | 2122EST | | | 0 | 0 | | Hail (1.75) | |

| | | Time | Path | Path | Numbe | | Estim | | | March 1998 |
|---------------------------------|------------------|----------------------------|-------------------|--------------------|-----------------------|-----------------|-----------------|--------------|-------------------------------------|------------------|
| Location | Date | Local/ Standard | Length (Miles) | Width (Yards) | Person Killed | ns Injured | Dam Property | age Crops | Character of Storm | |
| NORTH CAROLINA | , Centi | ral | | | | | | | | |
| W. G. A | Golfba | all sized hail f | ell in Hillsboi | ough reported b | oy Skywarn Ob | server. | | | | |
| Vance County Henderson | 20 | 2145EST | ŗ | | 0 | 0 | | | Hail (0.75) | |
| fichuer son | | | | orted by Skywa | | Ū | | | Han (0.75) | |
| Durham County | 20 | 2145EST | r. | | 0 | 0 | | | H-: (1 00) | |
| Durham | | | | th of Northern l | | | ported by a F | Raleigh Sl | Hail (1.00) xywarn Spotter. | |
| Wake County | • • | | _ | | | | | | | |
| Zebulon | 20 Dime | 2200EST sized hail fell | | f Zebulon in eas | 0 stern Wake cou | 0 inty, repo | orted by Wak | e county : | Hail (0.75) sheriff. | |
| Edgecombe County | | | | | | | | • | | |
| Princeville | 20 A mai | 2250EST | | najor damage di | 0 ue to strong the | 0 inderstor | 15K m winds | | Thunderstorm | Wind (G50) |
| NORTH CAROLINA | | | | najor damage di | ac to strong the | mucrstor | in winds. | | | |
| NCZ093-095-098 | | en - Cartere | - | | | | | | | |
| | 02 | 1130EST 1200EST | | | 0 | 0 | | | Ice Pellets | |
| | A brief | | | cross coastal re | gions covering | the grou | nd in some a | reas in Or | nslow county. | |
| Duplin County | | | _ | | | | | | | |
| Wallace Lenoir County | 09 | 0350EST | Ľ | | 0 | 0 | | | Thunderstorm | Wind (G52) |
| 10 W Kinston | 09 | 0435EST | ſ | | 0 | 0 | | | Thunderstorm | Wind (G52) |
| Pitt County | | | | | <u>^</u> | | | | | |
| Greenville | 09 A squa | 0500EST Il line passing | | ern North Carol | 0 ina produced v | 0 vind gust | s to 60 mph i | n several | Thunderstorm locations. Trees we | |
| | across | highways in V | Vallace. | | - | - | - | | | - |
| NCZ029-044>047- | | | | | | | | | tern Hyde - Dupl | in - Lenoir - |
| 079>081-090>095-098- 103>104 | Jones | - Craven - | Pamilco - C | Carteret - On | slow - Easter | rn Dare | e - Eastern | нуае | | |
| | 11 14 | 2300EST 2300EST | | | 0 | 0 | | 350K | Extreme Cold | |
| | | | | crops caused by | several nights | with lov | v temperature | es in the l | ower 20s. Some far | mers reported 50 |
| D1 | to 64 p | ercent of their | r peach crop v | vas killed. | | | | | | |
| Pitt County 3 W Greenville | 20 | 2258EST | ŗ | | 0 | 0 | | | Hail (0.75) | |
| Tyrrell County | | | | | Ū | Ū | | | (00,0) | |
| Columbia | 21 | 0040EST | | arter size hail ii | 0 Columbia | 0 | | | Hail (1.00) | |
| NORTH CAROLINA | | | | arter size nam n | i Columbia. | | | | | |
| | <u>, 12801 (</u> | ine ooun | <u>ii CSt</u> | | | | | | | |
| | | E REPORTED |). | | | | | | | |
| NORTH CAROLINA | <u>, Nortl</u> | <u>n Coastal</u> | | | | | | | | |
| Currituck County Corolla | 21 | 0100EST | ſ | | 0 | 0 | | | Hail (1.75) | |
| NORTH CAROLINA | , Nortl | nwest and | North Cer | <u>ntral</u> | | | | | | |
| Ashe County | | | _ | | | | | | | |
| Countywide | 20 | 0730EST 0750EST | | | 0 | 0 | 0 | | Thunderstorm | Wind |
| Ashe County | | | | | | | | | | |
| 1 NE Nathans Creek | 20 | 0750EST 1200EST | | | 0 | 0 | | | Flash Flood | |
| Alleghany County | | 1200131 | L | | | | | | | |
| 3 S Sparta | 20 | 0915EST | | | 0 | 0 | | | Flash Flood | |
| Alleghany County | | 1145EST | L | | | | | | | |
| 1 S Cherry Lane | 20 | 0930ES1 | | | 0 | 0 | | | Flash Flood | |
| | | 1130EST | ſ | | | | | | | |

| Location | Date | Local/ I | Path Length Miles) | Path Width (Yards) | Numb Perso Killed | | Estimated Damage Property Crop | s Character of Storm | March 1998 |
|---|---------------------|--|------------------------------|----------------------------------|--------------------------|---------------|--------------------------------------|--|------------|
| NORTH CAROLIN | A. North | west and Nor | th Centr | al | | 5 | | | |
| Watauga County Boone | 20 | 1100EST 1300EST | | <u></u> | 0 | 0 | 50K | Flash Flood | |
| Watauga County Boone | 20 Thunde | 1125EST | e morning ho | ours on the 20 | 0)th produced | 0 damaging | 5K g winds, damaging | Lightning lightning, and flash floo | ding. |
| | Heavy | rainfall resulted in | the flooding | g of Nathans | Creek about | 1 mile nor | theast of Nathans O | Creek in eastern Ashe C | ounty. |
| | to be re In Alle | escued from the top | o of a vehicl ush Creek w | e. In addition vas out of its | , the South F | ork of the | New River near B | a nearby shopping mall bone was out of its bank and Piney Swamp Cree | KS. |
| | Thunde | erstorm winds kno | cked down r | numerous tree | es throughout | Ashe Co | unty. | | |
| | Lightni | ing damaged a hou | se in Boone | | | | | | |
| Stokes County Walnut Cove | 20 | 1458EST | | | 0 | 0 | | Hail (0.75) | |
| Stokes County Pine Hall to 1.5 NNE Pine Hall | 20 | 1514EST 1517EST | 1.5 | 30 | 0 | 3 | 100K | Tornado (F1) | |
| Rockingham County 1 SW Mayodan to 3 NW Eden | 20 M80Pl | 1525EST 1549EST H, F24VE | 12 | 300 | 2 | 27 | 34M | Tornado (F3) | |
| Rockingham County 3 NW Eden to 3 N Eden | 20 | 1549EST 1554EST | | | 0 | 0 | 20K | Thunderstorm | Wind |
| Rockingham County | 20 | 1555EST | | | 0 | 0 | | Hail (0.95) | |
| Madison | | 1610EST | | | 0 | 0 | | Hail (0.88) | |
| Rockingham County Eden | 20 | | | | | | | | |
| Rockingham County Eden Rockingham County 1 E Eden | 20 20 | 1630EST | | | 0 | 0 | | Hail (1.75) | |
| Rockingham County Eden Rockingham County 1 E Eden Caswell County Prospect Hill | | | | | 0 0 | 0 0 | | Hail (1.75) Hail (1.25) | |
| Rockingham County Eden Rockingham County 1 E Eden Caswell County | 20 | 1630EST | | | | | 5K | | |

A supercell thunderstorm produced two tornadoes in North Carolina and a third one just over the Virginia border. The first tornado developed near Pine Hall in Stokes County around 314 PM EST and traveled northeast about 1.5 miles before dissipating around 317 PM EST. This small F1 tornado broke out windows, lifted a car off the ground, tore the roof off a house, damaged several mobile homes and toppled trees.

The second tornado developed one mile southwest of Mayodan around 325 PM EST and traveled to the northeast about 12 miles before dissipating about three miles northwest of Eden around 349 PM EST. This rather large F3 tornado damaged or destroyed 500 to 600 residences and damaged or destroyed nearly all businesses in Stoneville and some businesses in Mayodan. This tornado tossed a truck 60 feet, carried a cinder block and an empty boat trailer about a quarter mile and pushed a 25,000 pound fire truck about 60 feet. The tornado knocked out a 300 foot section of a wall and severely damaged the roof from a large building in Mayodan. Damage to this building was estimated at 25 million dollars. The tornado was generally 100 to 400 yards wide, but in one place was around 800 yards wide. Two people lost their lives and officially 27 were injured. The fatalities included an 80 year old woman who was pulled from his house southwest of Stoneville and tossed 500 feet in the air and a 24 year old woman who was in her car in Stoneville when the tornado to 20 injuries that were unreported as people drove themselves to the hospital or were driven by

| | St | torm Da | ita and | l Unu | sual W | Veath | er Pher | ıom | ena |
|---|---------------------|--|-------------------------------|-----------------------------|------------------------|--------------|-----------------------------------|----------|---|
| Location | Date | Time Local/ Standard | Path Length (Miles) | Path Width (Yards) | Numl Pers Killed | | Estimated Damage Property O | | March 199 Character of Storm |
| NORTH CAROLINA | friends. materia | Cancelled chec l from Mayodan | ks and paper and Stonevill | s from Ston e were found | d at several lo | ocations ar | ound Martinsvil | le, Virg | n Huddleston, Virginia. In additic inia. tinued to the Virginia State lin |
| | Thunde | to half dollar siz | ocked down t | rees, damage | ed outbuildin | | | | |
| ORTH CAROLINA | , South | Coastal | | | | | | | |
| Robeson County 1 E Lumberton | 08 | 1438EST 1441EST | 0.3 | 30 | 0 | 0 | 10K | | Tornado (F0) |
| | POLIC TREES | | TORNADO | TOUCH DC | OWN ON BE | ROAD RII | OGE RD, WHI | CH DA | MAGED BARNS AND DOWN |
| Robeson County 3 SE Lumberton to | 08 | 1503EST | 2 | 30 | 0 | 3 | 100K | | Tornado (F1) |
| 5 SE Lumberton | | 1510EST FF REPORTED QUINCY ROAD | | | , | OUT BUI | ILDINGS DAM | AGED, | TREES DOWNED ALONG RIG |
| Columbus County 3 S Cerro Gordo to 2.7 S Cerro Gordo | 08 | 1610EST | 0.3 | 30 | 0 | 0 | 20K | | Tornado (F0) |
| | | RNADO SNAPP OCCURRED W | | | | | D ROOFING, I | BARNS | AND UTILITY SHEDS. HEAV |
| Columbus County Nakina | 09 Dama | 0250EST | FREES SNAI | PPED, AND | 0 | 0 | 10K Vindows dai | MAGEI | Thunderstorm Wind (G75) D IN THE MANLY SMITH RO |
| Brunswick County Ash | 09 | 0305EST IFF REPORTED | | | 0 | 0 | | | Thunderstorm Wind (G65) |
| Brunswick County Caswell Beach | 09 Oak I | 0324EST Sland Coast | GUARD ST | ATION REI | 0 PORTED 67 | 0 MPH THI | UNDERSTORM | 1 GUST | Thunderstorm Wind (G60) |
| Pender County | 09 | 0342EST | | | 0 | 0 | 5K | | Thursdan Wind (C(4) |
| Watha to Burgaw | | 0355EST GUST REPORT | TED BY HAN | M RADIO SI | - | ÷ | | E SNAI | Thunderstorm Wind (G64) PPED IN BURGAW DAMAGED |
| New Hanover County Castle Hayne to Wrightsville Beach | 09 | 0345EST 0353EST | | | 0 | 0 | 5K | | Thunderstorm Wind (G60) |
| Robeson County Maxton | 20 | DERSTORM W 1742EST FF REPORTED | | | 0 | 0 | 2K | | D A ROOF. Thunderstorm Wind (G60) |
| Robeson County Fairmont | 20 | 2040EST | KOOF DAM | IAGE TO M | OBILE NON 0 | 0 | GIIWAT 1510. | | Hail (1.00) |
| Robeson County Proctorville | | | | | | | | | Tornado (F1) ATION AND SNAPPED A TR 1.25 INCH ALSO REPORTED. |
| Bladen County Bladenboro | 20 | 2112EST 2115EST TER ALSO REP | | | 0 | 0 | | | Hail (0.75) |

| | | Time Local/ | Path Length | Path Width | | nber of ersons | Estimated Damage | March 19 |
|---|-------------------|--|----------------------------|--------------------------------|------------------|--------------------|---------------------|---|
| Location | Date | Standard | (Miles) | (Yards) | Killed | Injured | Property Crops | Character of Storm |
| NORTH CAROLINA | , South | nwest | | | | | | |
| NCZ033-048>052- 058>059-062>064 | • | on - Madison on - Transyl 0000EST | • | Mitchell - S | Swain - Hay 0 | wood - G | raham - Northern | Jackson - Macon - Southerr Snow |
| | A weal | 1200EST | | | vestern North | Carolina or | | d temperatures were just cold end |
| NCZ033-053-058 | 03 | - Buncomb 0000EST 1000EST | | | 0 | 0 | | Snow |
| | produc | e another light | | | | | | hovering around the freezing mar |
| NCZ033 | Avery 10 | 0400EST 1200EST | og Doogh og | d Sugar Mour | 0 | 0 1 2 to 2 inch | as of anous | Snow |
| NCZ033-050>052 | - | levations such y - Mitchell - 1800EST 0000EST | | - | | 0 0 0 0 0 | es of show. | Snow |
| NCZ058 | Graha 10 11 | 1800EST 0000EST | | | 0 | 0 | | Heavy Snow |
| NCZ033-048>050-)52>053-055-058>059-)62>064 | Lighter Avery | r amounts betw | veen 1 and 2 - Yancey - | inches fell in Mitchell - I | other parts of | the mounta | ins. | f Graham county during the even |
| | 11 12 | 1600EST 0200EST | | | 0 | 0 | | Snow |
| NCZ033-052-058 | Avery 11 | - Haywood 1800EST 2200EST | - Graham | | 0 | 0 | | Heavy Snow |
| | | nowfall. A few | | | | | | ditions accompanied a general 1 wood counties where 4 to 6 inche |
| Buncombe County Asheville to Weaverville | 20 | 0925EST | | | 0 | 0 | | Thunderstorm Wind (G50) |
| Avery County 15 S Newland | 20 | 0945EST | | | 0 | 0 | | Hail (0.75) |
| Caldwell County West Portion | 20 | 1030EST 1200EST | | | 0 | 0 | | Flood |
| Gaston County Belmont | 20 | 1340EST | | | 0 | 0 | | Hail (0.75) |
| Davie County Farmington | 20 | 1415EST | | | 0 | 0 | | Hail (1.75) |
| Mecklenburg County 5 S Charlotte | 20 | 1427EST | | | 0 | 0 | | Hail (0.88) |
| Mecklenburg County 5 S Charlotte Mecklenburg County | 20 | 1427EST | | | 0 | 0 | | Thunderstorm Wind (G50 |
| Mint Hill Mecklenburg County | 20 | 1442EST | | | 0 | 0 | | Hail (2.00) |
| Mint Hill Davie County | 20 | 1442EST | 0.1 | 25 | 0 | 0 | | Tornado (F0) |
| Cooleemee Cabarrus County | 20 | 1445EST | | | 0 | 0 | | Hail (0.75) |
| 4 SSE Harrisburg | 20 | 1500EST | | | 0 | 0 | | Hail (1.00) |

| | | Time Local/ | Path Length | Path Width | Number Person | | Estima Dama | | | March 199 |
|-------------------------------------|---|---|---|--|---|--|---|---|---|---|
| Location | Date | Standard | Length (Miles) | Width (Yards) | | s Injured | Property | ge Crops | Character of Storm | |
| ORTH CAROLINA | . South | west | | | | | | | | |
| NORTH DAKOTA, C | Deep lo western piedmor observe power li unknow well. A | w pressure r North Carol nt during the d by a woma ines. Hail up rn, but consid couple of roa | ina. Severe th mid-afternoor an in Mint Hil to 2 inches in lered very hig | understorms de n. Straight-line ll to briefly tou diameter did q h. Hail piled u | eveloped in a v wind damage uchdown in fro uite a bit of da p to a depth of | very unsta resulted ont of her mage - e f 2 feet i | able airmass in several do r stopped car specially in the n Pineville and | during the wned tree Tornade T | hing a strong cold he morning in the n ees. A weak, short-1 lo damage was cont Hill area where doll rope funnel clouds he higher elevations | nountains and the ived tornado was fined to trees and lar amounts wer were observed |
| | NONE | REPORTED | | | | | | | | |
| NORTH DAKOTA, E | <u>ast</u> | | | | | | | | | |
| NDZ006>008- 014>016-024-026>030- | | er - Cavalie - Barnes - (| | - Benson - I | Ramsey - Wa | lsh - Eo | ddy - Nelso | n - Gra | nd Forks - Grigg | gs - Steele - |
| 038>039 | 13 | 0900CST 1200CST | | | 0 | 0 | | | Blizzard | |
| NDZ039-049-053 | conditio visibiliti improve | g cold front ons. The fron ies were crea | moved south at moved quick ated as the wi- ake had a gust | kly from north | to south, driven he top crust of | n by a str f snow. | rong pressure After the ini | gradient | Minnesota, creating t, but dropped little t of intense wind, v | snow. Near zer |
| 1102039-049-033 | Cass - 15 | 0200CST 0900CST | | | 0 | 0 | | | Heavy Snow | |
| | • | snow fell acro county repo | oss southeast | | • • | - | - | | was light and fluffy es, and Alice in Cas | |
| NDZ053 | Richla 31 | 1700CST | | | 0 | 0 | | | Heavy Snow | |
| DHIO, East | became Heavy s | nearly station snow fell acro | v fell as wrap- nary, extendin oss this line, w | g from southea | st Richland co | unty in N w on eith | North Dakota her side of the | to south line. T | ward the Great Lake ern Clearwater cour he snow finally let peton reported 7 inc | nty in Minnesot up around 10 ar |
| | NONE | REPORTED | | | | | | | | |
| OHIO, North | | | | | | | | | | |
| Knox County Countywide | 09 | 0530EST 0545EST | | | 0 | 0 | 3K | | Thunderstorn | n Wind |
| Morrow County Countywide | 09 | 0555EST 0610EST | | | 0 | 0 | 3К | | Thunderstorn | n Wind |
| Richland County Countywide | 09 | 0600EST 0615EST | | | 0 | 0 | 3К | | Thunderstorn | n Wind |
| Ashland County Countywide | 09 | 0615EST 0630EST | | | 0 | 0 | 3К | | Thunderstorn | n Wind |
| Holmes County Killbuck | 09 | 0630EST 0647EST | , | d | 0 | 0 | 3K | | Thunderstorn | 1 Wind |
| OHZ011-013>014-021 | | | ga - Ashtab | a. ula - Summi | t O | 0 | | | Heavy Snow | |

| | | Time Local/ | Path Length | Path Width | Numbe Perso | | Estimated Damage | March 1 | 1998 |
|--|------------------------------------|--|--|--|---|--|--|---|------------------------|
| Location | Date | Standard | (Miles) | (Yards) | Killed | Injured | Property Crops | Character of Storm | |
| DHIO, North | | | | | | | | | |
| | days b roadw miles snow f | before tapering ays mainly we per hour at tir | off to a few et and travel nes on the 10 enerally range | snow showers. problems were oth, and diminis ed from six to e | Temperatures confined mair shed a bit each | near or ab ly to the 1 day, but | ove freezing each d night time and early drifting snow was a | ed on and off (mainly inland) for ay and the warm March sunshine morning hours. Winds gusted a problem throughout the event. at North Royalton (Cuyahoga Co | e kep l to 4 Tot |
| OHZ003 | Lucas | | | | | | | | |
| | | 0630EST 1315EST faumee River onfined to low | at Waterville | exceeded its fl | 0 lood stage of n | 0 ine feet ar | d crested at 9.8 fee | Flood t at 1300 EST on 03/10/98. Flo | oodin |
| OHZ014 | Ashta 14 | 0400EST | | | 0 | 0 | 30K | Heavy Snow | |
| | heavie | est snow occur | back side of rred during th | | l midday. Sev | | | d by north winds off Lake Erie. ted at Pierpont. More than 15 t | |
| OHZ010-032 | Lorai 14 | n - Stark 0600EST | | | 0 | 0 | 20K | High Wind (G52) | |
| | | | iles per hour | was reported at house in Lorai | | ark County |). Winds gusting to | o 60 miles per hour downed an 80 | 0 foc |
| Erie County | | | | | | | | | |
| Sandusky to Vermillion | 20 21 | 2300EST 2200EST | | | 0 | 0 | 100K | Storm Surge | |
| Lorain County Lorain to | 20 | 2300EST | | | 0 | 0 | 50K | Storm Surge | |
| Avon Lake Lucas County | 21 | 2200EST | | | | | | | |
| Toledo to Reno Beach | 20 21 | 2300EST 2200EST | | | 0 | 0 | 100K | Storm Surge | |
| Ottawa County Port Clinton to Marblehead | 20 21 | 2300EST 2200EST | | | 0 | 0 | 100K | Storm Surge | |
| Sandusky County | | | | | | | | | |
| Kingsway to Clyde | 20 21 | 2300EST 2200EST | | | 0 | 0 | 100K | Storm Surge | |
| | (Lucas streets inland | County) was were flooded in some areas | seven feet al around Sandu In Sandusky | oove low water isky Bay (Ottav | datum. This wa, Sandusky, rie), several str | combinati Erie) and I reets were | on resulted in majo Maumee Bay (Luca flooded. At Beachy | Erie. Also, the water level at To or flooding and beach erosion. It s) and flooding had progressed fiv wood Cove in Huron, the 30 foot | Many furthe |
| OHZ009 | Erie 21 | 0100EST | | | 0 | 0 | | Flood | |
| | | oon communi | Milan exceed | | - | | | 5 EST on 03/21/98. Flooding occ being completely surrounded by | |
| OHZ003 | Lucas 22 22 | 0600EST | | | 0 | 0 | | Flood | |
| | | 0200EST faumee River onfined to low | at Waterville | exceeded its fl | ood stage of n | ine feet ar | d crested at 9.4 fee | t at 0726 EST on 03/22/98. Flor | oodin |
| OHZ011 | Cuyal | | | | | | | | |
| | 27 | 1500EST | • | | 1 | 0 | 2K | High Wind | |

| | | Time | Path | Path | Numbe | | Estimated | March 1998 |
|------------------------|---------------|--------------------|--------------------|---------------------------------------|-----------------|------------------|--------------------------|---------------------------------------|
| Location | Date | Local/ Standard | Length (Miles) | Width (Yards) | Perso Killed | ns Injured | Damage Property Crops | Character of Storm |
| <u>OHIO, North</u> | | | | | | | | |
| OHZ009>014- | Erie - | Lorain - C | 'uvahoga -] | Lake - Geaug | a - Ashtahul | a - Hur | on - Medina - Sun | ımit - Portage - Trumbull - |
| 019>023-028>033-038 | | | | and - Wayne | | | | |
| | 28 | 0930ES | | | 0 | 0 | 305K | High Wind |
| | _ | 1550ES | | | | | | |
| | 0 | | - | 1 | | | | on vehicles and houses. One tree fell |
| | | | | County); one of Township (Way | | villoughb | y (Lake); and the roo | f was blown off a mobile home near |
| Ottawa County | Sinuiv | ine western | Ku. III wayik | e Township (wa | yne). | | | |
| Elmore | 28 | 1200ES | т | | 0 | 0 | 5K | Thunderstorm Wind |
| Emore | -0 | 1230ES | | | Ū | Ū | chi (| Thunderstorm white |
| | Numer | rous large lin | nbs were dow | ned. | | | | |
| Sandusky County | | | | | | | | |
| Green Spgs | 28 | 1230ES | | | 0 | 0 | 15K | Thunderstorm Wind |
| | D | 1300ES' | | · · · · · · · · · · · · · · · · · · · | | 1 ¹ 1 | | 4 |
| a a . | Power | poles and po | ower lines wer | re downed in Gre | en Springs. L | arge limb | s were downed in Lir | idsey. |
| Seneca County | 20 | 120050 | т | | 0 | 0 | 1017 | |
| Tiffin | 28 | 1300ES' 1330ES' | | | 0 | 0 | 10K | Thunderstorm Wind |
| | Trees | were downed | | | | | | |
| Huron County | | | | | | | | |
| Countywide | 28 | 1310ES | Г | | 0 | 0 | 20K | Thunderstorm Wind |
| - | | 1330ES | Г | | | | | |
| | Trees | and power po | oles were dow | ned. | | | | |
| Erie County | | | | | | | | |
| Castalia | 28 | 1330ES | | | 0 | 0 | 20K | Thunderstorm Wind |
| | Talank | 1400ES | r er poles were | downed | | | | |
| OIIIO Nonthweat | reiepi | ione and pow | er poles were | downed. | | | | |
| OHIO, Northwest | | | | | | | | |
| Defiance County | 20 | 1046ES | т | | 0 | 0 | 3K | |
| Hicksville | 28 trees b | | | royed in Hicksvi | 0 Ile | 0 | эк | Thunderstorm Wind |
| | uces o | lown down v | and shed dest | | iic. | | | |
| Henry County | | | | | | | | |
| Liberty Center | 28 | 1117ES | г | | 0 | 0 | 0.50K | Thunderstorm Wind |
| Enserty Center | | lown down in | | | Ū | Ū | 010 011 | |
| Henry County | | | | | | | | |
| Holgate | 28 | 1127ES | Т | | 0 | 0 | | Thunderstorm Wind (G53) |
| | trees b | lown down ii | n town. | | | | | |
| Fulton County | | | | | | | | |
| Archbold | 28 | 1130ES | | | 0 | 0 | 1K | Thunderstorm Wind |
| | trees a | nd power line | es down. | | | | | |
| <u>OHIO, Southeast</u> | | | | | | | | |
| OHZ066>067- | Perry | - Morgan | - Athens - V | Washington - | Jackson - V | inton - I | Meigs - Gallia - La | wrence |
| 075>076-083>087 | | | | | | | | |
| | 10 | 0600ES | | | 0 | 0 | | Cold |
| | 13 The co | 0900ES | | r was delayed u | til March for | couthoast | Ohio High temper | tures were only in the 20s. Morning |
| | | | | were common. | itil March 101 | sourcasi | onio. mgn tempera | autes were only in the 20s. Worning |
| OHZ066>067- | | • | - | | Iackson - V | inton - 1 | Meigs - Gallia - La | wrence |
| 075>076-083>087 | I CITY | 1101 gall | | - asimgton - | Sachoul - V | | Trigo Gama - Da | |
| | 26 | 1200ES | Т | | 0 | 0 | | Record Warmth |
| | 31 | 2100ES | Г | | | | | |
| | An unu | isually long s | tretch of early | y spring heat last | ed 6 consecuti | ve days. | Afternoon temperatur | res were in the 80s. |
| OHIO, Southwest | | | | | | | | |
| Paulding County | | | | | | | | |
| Antwerp | 28 | 1040ES | | | 0 | 0 | 3K | Thunderstorm Wind (G50) |
| | Severa | l trees downe | ed. | | | | | |

| | | Time Local/ | Path Length | Path Width | Numbe Perso | | Estim Dam | | March 1 |
|-----------------------------------|--------------|----------------------------|----------------|------------------------------------|----------------|------------|--------------|------------|---|
| Location | Date | Standard | (Miles) | (Yards) | Killed | Injured | Property | Crops | Character of Storm |
| OKLAHOMA, Easte | ern | | | | | | | | |
| Tulsa County | | | | | | | | | |
| (Tul)Tulsa Intl Arpt | 01 31 | 0001CST 2359CST | | | 0 | 0 | | | Heavy Rain |
| | March | n rainfall at the | | national Airport 1922 with 11.9 | | | | e third we | ettest March on record. The onl |
| Tulsa County | | | | | | | | | |
| Bixby | 07 | 0730CST | | | 0 | 0 | | | Hail (0.75) |
| Latimer County | 07 | 1140.007 | | | ٥ | 0 | 0.50K | | |
| Wilburton | 07 Tree 1 | 1140CST imbs down on j | ower lines | | 0 | 0 | 0.50K | | Thunderstorm Wind |
| Mayes County | | | | | | | | | |
| Countywide | 07 | 1200CST | | | 0 | 0 | | | Flash Flood |
| · | C 1. | 1600CST | | | 11.45 | | | | |
| | City p | oark, low-water | bridges, and | streets flooded | around 1:45 p | m. | | | |
| Rogers County Countywide | 07 | 1200CST | | | 0 | 0 | | | Flash Flood |
| Countywhee | 07 | 1200CS1 1600CST | | | U | U | | | Flash Flood |
| | Low-v | | ooded in Tal | ala around 3:40 | pm. | | | | |
| Tulsa County | | | | | | | | | |
| Countywide | 07 | 1200CST | | | 0 | 0 | | | Flash Flood |
| | Road | 1600CST closed at Game | tt and New | Orleans from cr | eek overflow : | around 3.3 | 30 nm | | |
| Le Flore County | Road | | | offeans from er | | around 5. | oo pin. | | |
| Poteau | 07 | 1430CST | | | 0 | 0 | 0.10K | | Thunderstorm Wind |
| | | tree limb down | ned by wind | | | | | | |
| Le Flore County | | | | | | | | | |
| 4 E Cameron | 07 | 1444CST | | | 0 | 0 | | | Hail (0.75) |
| Sequoyah County | | | | | | | | | |
| Sallisaw | 07 | 1448CST | | | 0 | 0 | 4 | Manala 7 | Thunderstorm Wind (G5 |
| | | | | | | | | | producing a wide variety of we h widespread rainfall amounts o |
| | | | | | | | | | were under water. Further south |
| | severe | thunderstorms | developed o | over Sequoyah a | nd Leflore Co | unties dur | ing the mid- | afternoon | before moving east into Arkans |
| Pittsburg County | | | | | | | | | |
| 3 NE Mc Alester | 19 I | 0050CST | | | 0 | 0 | 3K | | Thunderstorm Wind |
| Dushaastaha Camuta | Large | radio tower blo | own over | | | | | | |
| Pushmataha County 5 SW Clayton | 19 | 0110CST | | | 0 | 0 | 0.50K | | Thunderstorm Wind |
| 5 SW Clayton | | blown off of a b | barn | | 0 | U | 0.501 | | Thunderstorm wind |
| Le Flore County | | | | | | | | | |
| 3 SE Talihina | 19 | 0210CST | | | 0 | 0 | | | Hail (0.75) |
| Le Flore County | | | | | | | | | |
| 3 SE Talihina | 19 | 0210CST | | | 0 | 0 | | | Thunderstorm Wind (G5 |
| Sequoyah County | 4.6 | | | | ~ | ~ | | | |
| Muldrow | 19 | 0235CST | | | 0 | 0 | | | Hail (0.75) |
| Sequoyah County | 10 | 0005000 | | | • | • | 0 1077 | | There a 1 |
| Muldrow | 19 Large | 0235CST tree limbs blov | n down | | 0 | 0 | 0.10K | | Thunderstorm Wind |
| | 0 | | | ross southern C | klahoma duri | ng the eve | ening of Ma | rch 18 an | d during the early morning of N |

Low pressure moved eastward across southern Oklanoma during the evening of March 18 and during the early morning of March 19. A broken line of severe thunderstorms developed over southeast Oklahoma just in advance of the low pressure system. The thunderstorms reached severe levels as they moved across Pittsburg and Pushmataha Counties between midnight and 1 AM. Then the storms weakened below severe limits as they travelled across Haskell and Latimer Counties between 1 and 2 AM. The storms strengthened again as they passed through Le Flore and Sequoyah Counties after 2 AM. The storms moved into Arkansas around 245 AM.

| | | Time Local/ | Path Length | Path Width | Numbe Persor | | Estimated Damage | March 19 |
|----------------------------------|--|---|--|---|---|---|--|--|
| Location | Date | Standard | (Miles) | (Yards) | | Injured | Property Crops | Character of Storm |
| OKLAHOMA, Easte | <u>ern</u> | | | | | | | |
| OKZ049-053>076 | Delaw | vare - Creek | - Okfuskee | e - Okmulgee | | | | wnee - Tulsa - Rogers - Mayes skogee - Mcintosh - Sequoyah |
| | Pittsb 27 | ourg - Haske 0700CST 1300CST | | r - Le Flore | 0 | 0 | 24.5K | High Wind |
| | develop shower up to t over 45 Adair | rerful spring st ped across eas rs themselves v wo hours in ac 5 miles an hou | orm system r tern Oklahon vere non-seve lvance of the r. Gusts of 50 | ha during the mere and did not of showers, wides to 60 miles an | orning in adva even produce of spread gradien hour were no | ance of, b cloud-to-g t winds w t uncomm | ut not in direct asso- ground lightning unti- vere sustained above ion. One report of a | farch 27. High winds from the sou ciation with, a band of showers. (T 1 they moved east into Arkansas). I 30 miles an hour with frequent gu 75 mph gust came in from Stilwell e48 mph, McAlester46 mph, a |
| | at 42nd About off of a the mo | d and Riversid the same time a church in Sap | At 900 arr the mesonet oulpa in Creel | a, mobile homes site at Okemah & County. A ho | s were damage a reported a wi use roof was d | ed and a b ind gust o lamaged i | illboard was blown f 50 miles an hour. n Henryetta in Okm | , a tree was blown down in west Tu down at Bearden in Okfuskee Cour Around 900 am, a steeple was blov ulgee County around 915 am. Later and a wood-frame carport was blo |
| Osage County Shidler | 30 | 1500CST | | | 0 | 0 | | Hail (0.75) |
| Osage County Pawhuska | 30 | 1612CST | | | 0 | 0 | | Hail (1.00) |
| Osage County Pawhuska | 30 | 1620CST | | | 0 | 0 | | Hail (1.00) |
| Creek County Sapulpa | 30 | 1724CST | | | 0 | 0 | | Hail (0.88) |
| Pittsburg County Canadian | 30 | 1814CST | | | 0 | 0 | | Hail (0.75) |
| Mcintosh County 4 WNW Eufaula | 30 62 mp | 1815CST h tstm gust me | | lahoma mesone | 0 t site. | 0 | | Thunderstorm Wind (G54) |
| Pittsburg County Indianola | 30 | 1816CST | | | 0 | 0 | | Hail (0.75) |
| Pittsburg County Canadian | 30 | 1820CST | | | 0 | 0 | | Hail (1.00) |
| Mcintosh County Eufaula | 30 | 1824CST | | | 0 | 0 | | Thunderstorm Wind (G52) |
| Muskogee County 5 S Muskogee | 30 | 1844CST | | | 0 | 0 | | Thunderstorm Wind (G52) |
| Muskogee County Warner | 30 | 1846CST | | | 0 | 0 | | Hail (0.88) |
| Muskogee County 1 NE Warner | 30 | 1855CST | | | 0 | 0 | | Funnel Cloud |
| Muskogee County Keefeton | 30 | 1900CST | | | 0 | 0 | | Hail (0.88) |
| Pittsburg County Quinton | 30 | 1900CST | | | 0 | 0 | | Hail (1.00) |
| Pushmataha County Moyers | 30 | 1900CST | | | 0 | 0 | | Hail (1.00) |
| Haskell County Stigler | 30 | 1910CST | | | 0 | 0 | | Hail (1.00) |
| Cherokee County 8 S Tahlequah | 30 | 1912CST | | | 0 | 0 | | Hail (0.75) |
| Sequoyah County Vian | 30 | 1920CST | | | 0 | 0 | | Hail (0.88) |
| | | | | | | | | |

| | | Time Local/ | Path Length | Path Width | | ber of | Estima Dama | | March 1998 |
|--------------------------|--------------|----------------------------|----------------|---------------|--------|---------|----------------|-------|-------------------------|
| Location | Date | Standard | (Miles) | (Yards) | Killed | Injured | Property | Crops | Character of Storm |
| OKLAHOMA, Easte | <u>rn</u> | | | | | | | | |
| Cherokee County | | | | | | | | | |
| Tahlequah | 30 | 1928CST | | | 0 | 0 | | | Thunderstorm Wind (G52) |
| Haskell County | | | | | | | | | |
| Tamaha | 30 | 1930CST | | | 0 | 0 | | | Hail (0.75) |
| Pushmataha County | | 10000000 | | | 0 | | | | |
| Clayton | 30 | 1930CST | | | 0 | 0 | | | Hail (0.75) |
| Sequoyah County | 20 | 1931CST | • | | 0 | 0 | | | |
| 1 SW Sallisaw | 30 Car bl | lown off Inters | | | 0 | 0 | | | Thunderstorm Wind (G52) |
| Muskogee County | Cui U | lown on mens | | | | | | | |
| Braggs | 30 | 1932CST | | | 0 | 0 | | | Hail (0.75) |
| Muskogee County | | | | | | | | | () |
| Braggs | 30 | 1932CST | | | 0 | 0 | | | Thunderstorm Wind (G61) |
| Adair County | | | | | | | | | |
| Proctor | 30 | 1940CST | | | 0 | 0 | | | Thunderstorm Wind (G52) |
| Sequoyah County | | | | | | | | | |
| Gans | 30 | 1950CST | | | 0 | 0 | 0.10K | | Thunderstorm Wind |
| | Severa | al large tree lin | nbs down | | | | | | |
| Pushmataha County | | | | | | | | | |
| Cloudy | 30 | 2000CST | | | 0 | 0 | | | Hail (0.88) |
| Ottawa County | | | _ | | | | | | |
| 3 SE Quapaw | 30 Cor bl | 2010CST lown off Will H | | ika | 0 | 0 | | | Thunderstorm Wind (G50) |
| L a Elana Carrata | Cai Di | | Cogers Turnp | ike | | | | | |
| Le Flore County Spiro | 30 | 2016CST | ۰ | | 0 | 0 | | | Thunderstorm Wind (G52) |
| Delaware County | 50 | 2010051 | | | U | U | | | Thunderstorm wind (G32) |
| 8 ENE Grove | 30 | 2020CST | • | | 0 | 0 | 0.50K | | Thunderstorm Wind |
| o had Givit | | r pole snapped | | | 0 | v | 0.001 | | |
| Le Flore County | | | | | | | | | |
| 5 SW Wister | 30 | 2025CST | | | 0 | 0 | | | Hail (0.75) |
| Le Flore County | | | | | | | | | |
| Wister | 30 | 2045CST | | | 0 | 0 | | | Hail (0.88) |

A wave of low pressure and a cold front moving across Oklahoma brought a solid line of thunderstorms to all of eastern Oklahoma on the afternoon and evening of March 30. While the line covered the entire north-south length of eastern Oklahoma, the vast majority of the severe weather remained to the south of Hwy. 412. Bow echo signatures appeared along the line in eastcentral Oklahoma. Rotation was indicated at the north end of the bow echo as it moved from near Eufaula to the Arkansas state line at West Siloam Springs. Quite a few reports of severe tstm winds and funnel clouds were common with this part of the line, but there were no known tornado touchdowns in Oklahoma.

OKLAHOMA, Extreme Southeast

| Mccurtain County | | | | | |
|-----------------------|---------------|---|--------------------|----|-------------|
| Tom | 05 | 1518CST | 0 | 0 | Hail (1.75) |
| | Repor | ts of golf ball size hail received from Ida | bel Sheriffs Offic | e. | |
| Mccurtain County | | | | | |
| Tom | 05 | 1524CST | 0 | 0 | Hail (0.75) |
| | Repor | t received from Skywarn spotter. | | | |
| Mccurtain County | | | | | |
| Tom | 05 | 1533CST | 0 | 0 | Hail (1.75) |
| Mccurtain County | | | | | |
| Pickens | 30 | 2025CST | 0 | 0 | Hail (0.75) |
| OKLAHOMA , Pan | <u>handle</u> | | | | |
| OKZ001>003 | Cima | rron - Texas - Beaver | | | |
| | 07 | 1700CST | 0 | 0 | Blizzard |
| | 08 | 0600CST | | | |

A low pressure system in the upper levels of the atmosphere over the Texas South Plains along with very cold and moist air across the Oklahoma Panhandle produced blizzard conditions with sustained wind speeds of 35 mph to 40 mph and visibilities near zero. Snowfall amounts ranged from one to three inches across Beaver county to four to six inches across Texas and Cimarron counties. Roads and highways were closed during the blizzard Saturday night through Sunday morning.

| | | | | , | | | er Phenon | | |
|--|---|---|--|---|--|--|--|--|--|
| | | Time Local/ | Path Length | Path Width | Number Persor | | Estimated Damage | | March 199 |
| location | Date | Standard | (Miles) | (Yards) | | Injured | Property Crops | Character of Storm | |
| <u> KLAHOMA, Panl</u> | <u>nandle</u> | | | | | | | | |
| OKZ002 | Texas | | | | 0 | 0 | | | |
| | 16 17 | 1200CST 0000CST | | | 0 | 0 | | Heavy Snow | |
| | A low p | pressure syster | | | | | | d for much colder and | |
| | 1 | | | lahoma Panhano ways in and arc | | | • | ere in the four to six | and a half ind |
| OKZ001>003 | - | rron - Texas | - | Iways III and are | Juliu Ouyilioli | were cross | <i>.</i> | | |
| | 18 | 2200CST | | | 0 | 0 | | Heavy Snow | |
| | 19 A strop | 1000CST | | ha uppar atmos | ahara mayad a | aross the " | Taxas and Oklahoms | Donhondlog ushoring | in much cold |
| | | | | | | | | Panhandles ushering n system ranged fron | |
| | | | | | | s across T | exas and Cimarron c | ounties. Several road | ls and highwa |
| Tana Carrata | in and a | around Guymo | on were close | d due to the hea | vy snow. | | | | |
| Texas County 1 W Hooker | 26 | 2210CST | | | 0 | 0 | | Thunderstorm | Wind (G55) |
| | | 2215CST | | | | | | | |
| Texas County | 24 | 2225097 | | | ٥ | 0 | | | |
| 2 E Goodwell Texas County | 26 | 2225CST | | | 0 | 0 | | Thunderstorm ` | wind (G51) |
| 1 W Hooker | 26 | 2245CST | | | 0 | 0 | | Thunderstorm | Wind (G50) |
| | | | s moving th | rough the cent | ral Oklahoma | Panhand | le produce high wi | nds as measured by | the Oklahon |
| Beaver County | Mesone | etwork. | | | | | | | |
| | | | | | | | | | |
| Beaver | 29 | 2328CST | | | 0 | 0 | | Hail (1.00) | |
| Beaver | A sever | re thunderstorr | n produced l | arge hail across | 0 the eastern Ok | | anhandle during the l | Hail (1.00) ate evening hours. | |
| Beaver OKLAHOMA, West | A sever | re thunderstorr | n produced l | arge hail across | 0 the eastern Ok | | anhandle during the l | | |
| Beaver DKLAHOMA, West Bryan County | A sever tern, Cer | re thunderstorr ntral and S | n produced 1 outheast | arge hail across | | lahoma Pa | anhandle during the l | ate evening hours. | |
| Beaver <u>)KLAHOMA, West</u> Bryan County 1 SE Colbert | A sever | re thunderstorr | n produced 1 outheast | arge hail across | 0 the eastern Ok 0 | | anhandle during the l | | |
| Beaver DKLAHOMA, West Bryan County | A sever tern, Cer | re thunderstorr ntral and S | n produced l outheast | arge hail across | | lahoma Pa | anhandle during the l | ate evening hours. | |
| Beaver <u>DKLAHOMA, West</u> Bryan County 1 SE Colbert Bryan County 3 E Roberta Comanche County | A sever tern, Cer 06 06 | re thunderstorr ntral and S 2055CST 2130CST | n produced l outheast | arge hail across | 0 0 | lahoma Pa 0 0 | anhandle during the l | ate evening hours. Hail (0.75) Hail (1.00) | |
| Beaver DKLAHOMA, West Bryan County 1 SE Colbert Bryan County | A sever <u>tern, Cer</u> 06 06 07 | re thunderstorr ntral and S 2055CST 2130CST 0340CST | n produced l <u>outheast</u> | - | 0 | lahoma Pa 0 | anhandle during the l | ate evening hours. Hail (0.75) | |
| Beaver DKLAHOMA, West Bryan County 1 SE Colbert Bryan County 3 E Roberta Comanche County 6 E Lawton | A sever <u>tern, Cer</u> 06 06 07 | re thunderstorr ntral and S 2055CST 2130CST | n produced l <u>outheast</u> | - | 0 0 | lahoma Pa 0 0 | anhandle during the l | ate evening hours. Hail (0.75) Hail (1.00) | |
| Beaver DKLAHOMA, West Bryan County 1 SE Colbert Bryan County 3 E Roberta Comanche County 6 E Lawton | A sever tern, Cer 06 06 07 3/4 incl 07 | re thunderstorr ntral and S 2055CST 2130CST 0340CST h hail covered 0504CST | n produced l outheast the ground a | - | 0 0 | lahoma Pa 0 0 | anhandle during the l | ate evening hours. Hail (0.75) Hail (1.00) | |
| Beaver DKLAHOMA, Wess Bryan County 1 SE Colbert Bryan County 3 E Roberta Comanche County 6 E Lawton Oklahoma County Oklahoma City | A sever tern, Cer 06 06 07 3/4 inc: 07 at I-44 | re thunderstorr ntral and S 2055CST 2130CST 0340CST h hail covered 0504CST and NW 10th | n produced l outheast the ground a | - | 0 0 0 | lahoma Pa 0 0 0 | anhandle during the l | ate evening hours. Hail (0.75) Hail (1.00) Hail (0.75) | |
| Beaver DKLAHOMA, West Bryan County 1 SE Colbert Bryan County 3 E Roberta Comanche County 6 E Lawton Oklahoma County | A sever tern, Cer 06 06 07 3/4 inc: 07 at I-44 Logan | re thunderstorr ntral and S 2055CST 2130CST 0340CST h hail covered 0504CST and NW 10th | n produced l outheast the ground a St. | - | 0 0 0 | lahoma Pa 0 0 0 | | ate evening hours. Hail (0.75) Hail (1.00) Hail (0.75) Hail (0.75) | |
| Beaver DKLAHOMA, Wess Bryan County 1 SE Colbert Bryan County 3 E Roberta Comanche County 6 E Lawton Oklahoma County Oklahoma City | A sever tern, Cer 06 06 07 3/4 inc: 07 at I-44 Logan 16 19 | re thunderstorr ntral and S 2055CST 2130CST 0340CST h hail covered 0504CST and NW 10th 1800CST 1800CST | n produced l outheast the ground a St. | t KSWO TV | 0 0 0 0 | lahoma Pa 0 0 0 0 | 75K | ate evening hours. Hail (0.75) Hail (1.00) Hail (0.75) Hail (0.75) Flood | |
| Beaver DKLAHOMA, Wess Bryan County 1 SE Colbert Bryan County 3 E Roberta Comanche County 6 E Lawton Oklahoma County Oklahoma City | A sever tern, Cer 06 06 07 3/4 inc: 07 at I-44 Logan 16 19 A slow | re thunderstorr ntral and S 2055CST 2130CST 0340CST h hail covered 0504CST and NW 10th 1800CST 1800CST -moving storn | n produced l outheast the ground a St. | tt KSWO TV duced heavy ra | 0 0 0 0 0 iinfall over mu | lahoma Pa 0 0 0 0 0 0 0 0 0 | 75K thwest Oklahoma ar | ate evening hours. Hail (0.75) Hail (1.00) Hail (0.75) Hail (0.75) Flood ad western North Tex | - |
| Beaver DKLAHOMA, Wess Bryan County 1 SE Colbert Bryan County 3 E Roberta Comanche County 6 E Lawton Oklahoma County Oklahoma City | A sever tern, Cer 06 06 07 3/4 inc: 07 at I-44 Logan 16 19 A slow central, | re thunderstorr ntral and S 2055CST 2130CST 0340CST h hail covered 0504CST and NW 10th 1800CST 1800CST -moving storm and southeast | n produced l outheast the ground a St. | tt KSWO TV duced heavy ra luring mid Marc | 0 0 0 0 iinfall over mu ch. Precipitatio | lahoma Pa 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 75K thwest Oklahoma ar etween 3 and 6 inche | ate evening hours. Hail (0.75) Hail (1.00) Hail (0.75) Hail (0.75) Flood ad western North Tex | ng the three-d |
| Beaver DKLAHOMA, Wess Bryan County 1 SE Colbert Bryan County 3 E Roberta Comanche County 6 E Lawton Oklahoma County Oklahoma City | A sever tern, Cer 06 06 07 3/4 incl 07 at I-44 Logan 16 19 A slow central, period o stage w | re thunderstorr ntral and S 2055CST 2130CST 0340CST 0340CST and NW 10th 1800CST -moving storn and southeast of March 15- vere recorded | n produced l outheast the ground a St. Oklahoma o -17, 1998. <i>A</i> at 28 foreca | tt KSWO TV duced heavy ra huring mid Marc as a result, mine st points and 9 | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | lahoma Pa 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 75K thwest Oklahoma ar etween 3 and 6 inche occurred over a wic | ate evening hours. Hail (0.75) Hail (1.00) Hail (0.75) Hail (0.75) Flood ad western North Tex | ng the three-d ests above flo |
| Beaver DKLAHOMA, Wess Bryan County 1 SE Colbert Bryan County 3 E Roberta Comanche County 6 E Lawton Oklahoma County Oklahoma City | A sever tern, Cer 06 06 07 3/4 incl 07 at I-44 Logan 16 19 A slow central, period o stage w | re thunderstorr ntral and S 2055CST 2130CST 0340CST 0340CST and NW 10th 1800CST -moving storn and southeast of March 15- vere recorded | n produced l outheast the ground a St. Oklahoma o -17, 1998. <i>A</i> at 28 foreca | tt KSWO TV duced heavy ra during mid Maro as a result, mino | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | lahoma Pa 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 75K thwest Oklahoma ar etween 3 and 6 inche occurred over a wic | ate evening hours. Hail (0.75) Hail (1.00) Hail (0.75) Hail (0.75) Flood ad western North Tex es were recorded durin despread area, and creating | ng the three-d ests above flo |
| Beaver DKLAHOMA, Wess Bryan County 1 SE Colbert Bryan County 3 E Roberta Comanche County 6 E Lawton Oklahoma County Oklahoma City | A sever tern, Cer 06 06 07 3/4 incl 07 at I-44 Logan 16 19 A slow central, period of stage w northwo | re thunderstorr htral and S 2055CST 2130CST 0340CST h hail covered 0504CST and NW 10th 1800CST 1800CST -moving storm , and southeast of March 15- vere recorded est portions of | n produced l outheast the ground a St. Oklahoma o Oklahoma d | tt KSWO TV duced heavy ra during mid Marc sa result, mine st points and 9 id not incur floo | 0 0 0 0 infall over mu ch. Precipitatio or to moderate data points i oding during th | lahoma Pa 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 75K thwest Oklahoma ar etween 3 and 6 inche occurred over a wic man hydrologic ser | ate evening hours. Hail (0.75) Hail (1.00) Hail (0.75) Hail (0.75) Flood ad western North Tex es were recorded durin despread area, and creating | ng the three-d ests above flo vest-central a |
| Beaver DKLAHOMA, Wess Bryan County 1 SE Colbert Bryan County 3 E Roberta Comanche County 6 E Lawton Oklahoma County Oklahoma City | A sever tern, Cer 06 06 07 3/4 incl 07 at I-44 Logan 16 19 A slow central, period of stage w northwo A secon | re thunderstorr ntral and S 2055CST 2130CST 0340CST 0340CST h hail covered 0504CST and NW 10th 1800CST 1800CST -moving storm and southeast of March 15- vere recorded est portions of nd round of sh | n produced l outheast the ground a St. : Oklahoma d Oklahoma d owers and th | duced heavy ra luring mid Marc sa result, mine st points and 9 id not incur floo | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | lahoma Pa 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 75K thwest Oklahoma ar etween 3 and 6 inche occurred over a wic man hydrologic ser | ate evening hours. Hail (0.75) Hail (1.00) Hail (0.75) Hail (0.75) Flood the western North Texy es were recorded during tespread area, and creations wice area. Only the way | ng the three-d ests above flo vest-central a |
| Beaver DKLAHOMA, Wess Bryan County 1 SE Colbert Bryan County 3 E Roberta Comanche County 6 E Lawton Oklahoma County Oklahoma City | A sever tern, Cer 06 06 07 3/4 incl 07 at I-44 Logan 16 19 A slow central, period of stage w northwo A secon hours o | re thunderstorr ntral and S 2055CST 2130CST 0340CST 0340CST h hail covered 0504CST and NW 10th 1800CST -moving storm and southeast of March 15- vere recorded est portions of nd round of sh of the 19th. Pro- | n produced l outheast the ground a St. St. Oklahoma o cOklahoma d owers and th ecipitation to | duced heavy ra duced heavy ra during mid Mara sa result, mino st points and 9 id not incur floc understorms mo tals between 1 a | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | lahoma Pa 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 75K thwest Oklahoma ar etween 3 and 6 inche occurred over a wic man hydrologic ser uring the late evening uce secondary crests | ate evening hours. Hail (0.75) Hail (1.00) Hail (0.75) Hail (0.75) Flood ad western North Tex s were recorded during tespread area, and creations vice area. Only the way s hours of the 18th and on some rivers. | ng the three-d ests above flo vest-central a d early morni |
| Beaver DKLAHOMA, Wess Bryan County 1 SE Colbert Bryan County 3 E Roberta Comanche County 6 E Lawton Oklahoma County Oklahoma City | A sever tern, Cer 06 06 07 3/4 incl 07 at I-44 Logan 16 19 A slow central, period of stage w northwo A secon hours o | re thunderstorr ntral and S 2055CST 2130CST 0340CST 0340CST h hail covered 0504CST and NW 10th 1800CST 1800CST -moving storm and southeast of March 15- vere recorded est portions of nd round of sh of the 19th. Pro- | n produced l outheast the ground a St. St. Oklahoma o Oklahoma d owers and th ecipitation to ts occurred b | duced heavy ra duced heavy ra during mid Mara sa result, mino st points and 9 id not incur floc understorms mo tals between 1 a | 0 0 0 0 0 infall over mu ch. Precipitatio or to moderate 0 data points i oding during th oved through t und 2 inches he 16 and March | lahoma Pa 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 75K thwest Oklahoma ar etween 3 and 6 inche occurred over a wic man hydrologic ser uring the late evening uce secondary crests | ate evening hours. Hail (0.75) Hail (1.00) Hail (0.75) Hail (0.75) Flood the western North Texy es were recorded during tespread area, and creations wice area. Only the way | ng the three-d ests above flo vest-central a d early morni |
| Beaver DKLAHOMA, Wess Bryan County 1 SE Colbert Bryan County 3 E Roberta Comanche County 6 E Lawton Oklahoma County Oklahoma City | A sever tern, Cer 06 06 07 3/4 incl 07 at I-44 Logan 16 19 A slow central, period of stage w northwo A secon hours o Most of CST on The mo | re thunderstorr ntral and S 2055CST 2130CST 0340CST 0340CST h hail covered 0504CST and NW 10th 1800CST 1800CST -moving storm, and southeast of March 15- vere recorded est portions of nd round of sh of the 19th. Pro- f the river cress n March 15 and ost significant | n produced l outheast the ground a St. St. Oklahoma d iOklahoma d iOklahoma d owers and th ecipitation to the occurred h d as late as 1 flooding oc | duced heavy ra duced heavy ra luring mid Marc sa result, minu st points and 9 id not incur floc understorms mo tals between 1 a between March 1 1 p.m. CST on N | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | lahoma Pa 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 75K thwest Oklahoma ar etween 3 and 6 inche occurred over a wic man hydrologic ser tring the late evening uce secondary crests stages were exceede | ate evening hours. Hail (0.75) Hail (1.00) Hail (0.75) Hail (0.75) Flood ad western North Tex s were recorded during tespread area, and creations vice area. Only the way s hours of the 18th and on some rivers. | ng the three-d ests above flo west-central a d early morni s early as 8 p. |
| Beaver DKLAHOMA, Wess Bryan County 1 SE Colbert Bryan County 3 E Roberta Comanche County 6 E Lawton Oklahoma County Oklahoma City | A sever tern, Cer 06 06 07 3/4 incl 07 at I-44 Logan 16 19 A slow central, period of stage w northwo A secon hours o Most of CST on The mo | re thunderstorr ntral and S 2055CST 2130CST 0340CST 0340CST h hail covered 0504CST and NW 10th 1800CST 1800CST -moving storm, and southeast of March 15- vere recorded est portions of and round of sh of the 19th. Pro- | n produced l outheast the ground a St. St. Oklahoma d iOklahoma d iOklahoma d owers and th ecipitation to the occurred h d as late as 1 flooding oc | duced heavy ra duced heavy ra luring mid Marc sa result, minu st points and 9 id not incur floc understorms mo tals between 1 a between March 1 1 p.m. CST on N | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | lahoma Pa 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 75K thwest Oklahoma ar etween 3 and 6 inche occurred over a wic man hydrologic ser tring the late evening uce secondary crests stages were exceede | ate evening hours. Hail (0.75) Hail (1.00) Hail (0.75) Hail (0.75) Hail (0.75) Flood Ad western North Tex as were recorded during the spread area, and creations areasing the second provide area. Only the second g hours of the 18th and on some rivers. d at some locations as | ng the three-d ests above flo west-central a d early morni s early as 8 p. |
| Beaver DKLAHOMA, Wess Bryan County 1 SE Colbert Bryan County 3 E Roberta Comanche County 6 E Lawton Oklahoma County Oklahoma City | A sever tern, Cer 06 06 07 3/4 incl 07 at I-44 Logan 16 19 A slow central, period of stage w northwo A secon hours o Most of CST on The more | re thunderstorr ntral and S 2055CST 2130CST 0340CST 0340CST h hail covered 0504CST and NW 10th 1800CST 1800CST -moving storm and southeast of March 15- vere recorded est portions of nd round of sh of the 19th. Pro- f the river cress h March 15 and ost significant ed at some sites | n produced l outheast the ground a St. St. Oklahoma d Oklahoma d Oklahoma d owers and th eccipitation to the occurred h d as late as 1 flooding oc s. | duced heavy ra duced heavy ra during mid Marc as a result, mind st points and 9 id not incur floc nunderstorms mo tals between 1 a between March 1 p.m. CST on N curred in southy | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | lahoma Pa 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 75K thwest Oklahoma ar etween 3 and 6 inche occurred over a wio man hydrologic ser uring the late evening uce secondary crests stages were exceede crests of between 5 | ate evening hours. Hail (0.75) Hail (1.00) Hail (0.75) Hail (0.75) Hail (0.75) Flood Ad western North Tex as were recorded during the spread area, and creations areasing the second provide area. Only the second g hours of the 18th and on some rivers. d at some locations as | ng the three-d ests above flo west-central a d early morni s early as 8 p. ood stage we |
| Beaver DKLAHOMA, Wess Bryan County 1 SE Colbert Bryan County 3 E Roberta Comanche County 6 E Lawton Oklahoma County Oklahoma City | A sever tern, Cer 06 06 07 3/4 incl 07 at I-44 Logan 16 19 A slow central, period of stage w northwo A secon hours o Most of CST on The more recorde Some of Kingfis | re thunderstorr ntral and S 2055CST 2130CST 0340CST 0340CST h hail covered 0504CST and NW 10th 1800CST 1800CST -moving storm and southeast of March 15- vere recorded est portions of nd round of sh of the 19th. Pro- f the river cress 1 March 15 and ost significant ed at some sites of the major mainter and sher, Mud, and | n produced l outheast the ground a St. St. Oklahoma d owers and th ecipitation to the soccurred h d as late as 1 flooding oc s. rivers and c l Muddy Bo | duced heavy ra duced heavy ra huring mid Marc as a result, mind st points and 9 id not incur floc nunderstorms mo tals between 1 a between March 1 1 p.m. CST on 1 curred in southware reeks which flo pggy Creeks, D | 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | lahoma Pa 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | 75K thwest Oklahoma ar etween 3 and 6 inche occurred over a wio man hydrologic ser uring the late evening uce secondary crests stages were exceede crests of between 5 lude the Clear Bogg Blue, Canadian, Chil | ate evening hours. Hail (0.75) Hail (1.00) Hail (0.75) Hail (0.75) Flood ad western North Tex es were recorded durin lespread area, and creations wice area. Only the variation of the 18th and on some rivers. d at some locations as and 10 feet above fl | ng the three-costs above flowest-central and dearly mornal and early as 8 p. ood stage word stage word flowest Caciboo Fork, Lit |

In addition, other minor tributaries and streams also overflowed their banks and produced minor to moderate flooding. These

| | | Time | Path | Path | | ber of | Estimat | | March 1998 |
|---------------------------------|---|---|--|---|--|--|---|---------------------------------|--|
| Location | Date | Local/ Standard | Length (Miles) | Width (Yards) | Per Killed | sons Injured | Damag Property | ge Crops | Character of Storm |
| OKLAHOMA, Weste | ern, Ce | ntral and | Southeast | | | | | | |
| | stream | is include the | Bell Cow, | | | | - | | er, Preacher, Skeleton, Turkey and ern North Texas. |
| | agricu floodi | ltural lands a ng. Deer Cre | nd rural road eek firefighter | ls were also inu rs rescued a wo | ndated. Ho man and he | wever, no d er 6-year-old | leaths or inju 1 child after | ries we their ca | he flooding, and widespread areas of re reported as a direct result of the r ran into a ditch along the flooded ing was produced by Deer Creek. |
| | the riv evacua approx | ver claimed 2 ated by the Lo kimately 150 f | houses and ogan County feet of the nor | 1 mobile home Sheriff during th | in the Twir ne event. Er washed aw | n Lakes Spo nvironmenta ay as a resu | orts Club nea l River Erosi lt of the flood | r Cresce on Cont waters a | e soil erosion along the north bank of ent, OK. A total of 15 homes were rol (EREC) personnel reported that nd that the bank was being eroded at 00. |
| | Signif | icant bank ero | sion was also | reported along t | he Washita | River near C | Chickasha, OH | K and the | e Pease River near Vernon, TX. |
| | | Ų | | eek in destroyed e estimates were | U | | | on site a | long State Highway 11 about 1 mile |
| | | | | OK were forced the early morning | 0 | | | 0 | the East Cache Creek. East Cache ge. |
| | Merid State I State I State I State I State I State I | Highway 18 so Highway 131 Highway 5A v | om Edmond H outh of Chand in Wardville, vest of Templ etween 5A ar near Eakley, C ear Grandfield | Road to Covell n ller, OK OK e, OK Id U.S. Highway OK I, OK | | , ОК | | | |
| Mcclain County Blanchard | 18 report | 2010CS ed by NWS et | | | 0 | 0 | | | Thunderstorm Wind (G52) |
| Jefferson County 5 S Waurika | 18 | 2145CS | | | 0 | 0 | | | Hail (0.75) |
| Grady County 2 W Ninnekah | down | | es were down ed against a l | house, trapping | 2 | | U | 2 | Thunderstorm Wind 7 and 81 west of town. Some of the x30 building was also destroyed on |
| Grady County | e | • | | | | | | | |
| 3 E Tabler | head | injury, and w | n winds comp as treated at a | | The other | 4 occupants | received only | | Thunderstorm Wind t was in the trailer sustained a serious scrapes and bruises. A neighboring |
| Mcclain County 3 S Blanchard | 18 Sever | 2220CS | Γ n winds estin | | 0 | 0 | 6K | a shed, l | Thunderstorm Wind (G61) blew part of the roof off a barn, an d |
| Cleveland County Norman | 18 Sever | 2230CS | | ged numerous ro | 0 | 0 w several m | 10K obile homes c | off of the | Thunderstorm Wind |
| Mcclain County 2 N Dibble | 18 Sever | 2230CS e thunderstorn | Γ n winds dest | - | 0 home, injur | 1 ing one of t | 15K the three occu | upants. | Thunderstorm Wind Three other homes in the area were |
| Cleveland County Noble | 18 report | 2235CS ed by NWS e | | | 0 | 0 | | | Thunderstorm Wind (G58) |

| | | Time | Path | Path | Numbe | r of | Estimated | March 199 |
|---|---|---|--|--|---|---|--|---|
| Location | Date | Local/ Standard | Length (Miles) | Width (Yards) | Perso | | Damage Property Crops | Character of Storm |
| OKLAHOMA, West | ern, Cer | tral and S | outheast | | | | | |
| Garvin County Elmore City | 18 Severe | 2255CST thunderstorm | winds downe | d limbs, awnir | 0 lgs, and televis | 0 ion anten | 1K nae throughout town. | Thunderstorm Wind |
| Garvin County 1 SSW Pauls Valley | 18 measur | 2255CST ed at the Okla | homa Mesone | et site | 0 | 0 | | Thunderstorm Wind (G64) |
| Garvin County Pauls Valley | mainter An Okl Valley | nance shop, 1- ahoma Natura armory lost 1 | 4 hangars, and Il Gas shop so nost of its ne | d 8 to 10 plan with of Pauls V w roof and a | es were compl alley sustained r conditioner | etely dest 1 \$150,000 in the sev | royed. Damage at the 0 in damage to the roovere storm. Outbuildi | Thunderstorm Wind f damage in town. At the airport is airport was estimated at \$1,500,0 of, walls, and garage doors. The Par ngs, signs, and trees were destroyed at 2 to 3 million dollars. |
| Carter County | | | | | | | | |
| Lone Grove | 18 Severe | 2303CST thunderstorm | winds blew th | ne roof off a lu | 0 mber vard. | 0 | 8K | Thunderstorm Wind |
| Love County Marietta | 18 | 2315CST | | | 0 | 0 | | Hail (0.75) |
| Marshall County Little City Seminole County | 18 | 2340CST | | | 0 | 0 | | Hail (0.88) |
| Wewoka | 18 | 2350CST | | | 0 | 0 | | Thunderstorm Wind (G52) |
| Bryan County Durant | 19 Summa | 0000CST ry of events o | f March 18, 1 | 998: | 0 | 0 | | Thunderstorm Wind (G52) |
| | reports Grady a mobile A secor | of severe hail and McClain homes. Two ad storm along | were received Counties from serious injurie the line prod | d, but the majo a west of Ninn es resulted. | rity of damage ekah to near I | e resulted Dibble. V | from severe thunders Vinds estimated at 70 | Oklahoma during the evening. A fo torm winds. One storm moved acro 0-80 mph destroyed trees and seven alley Airport was particularly hard-I |
| OKZ004>012 | See pres Harpe 19 Heavy s | r - Woods - 0100CST 2300CST snow fell acro | ual Storm Da Alfalfa - G ss the northw | ta entries for f rant - Kay - rest corner of (| Ellis - Wood 0 Oklahoma over | dward - 0 | | Heavy Snow the 19th. Snow accumulations we |
| | northwe Temper | estward. Seve | n to eight incl | nes fell from A | morita to Free | dom to La | averne, and 9 inches a | a Arnett to Ringwood to Braman an accumulated 8 miles north of Buffalo ons for only a few days in extrem |
| Ellis County 7 W Arnett | 27 | 0200CST | | | 0 | 0 | | Hail (0.75) |
| Caddo County 1 S Carnegie | | 0430CST thunderstorm ie until 10 am | | | 0 of off of a pea | 0 anut barn | 5K and downed 11 pow | Thunderstorm Wind ver poles. Power was off through |
| Jefferson County Waurika | 27 | 0600CST | - | | 0 er poles, cuttin | 0 g power t | 2.4K to Waurika and Terral | Thunderstorm Wind until after 7 pm that evening. |
| Stephens County Marlow | 27 Power | 0600CST | own down by | a line of thund | 0 erstorms. with | 0 winds est | 0.50K timated at 50 to 55 m | Thunderstorm Wind |
| Seminole County Seminole | 27 | 0900CST | | | 0 | 0 | 0.10K | Thunderstorm Wind |

| | | Time | Path | Path | Number of | | Estimated | | March 1998 |
|---|----------------------|-----------------------------|----------------------------------|-----------------------------------|--------------------|--------------------|----------------------|-------------|--|
| Location | Date | Local/ Standard | Length (Miles) | Width (Yards) | Per: Killed | sons Injured | Dama Property | ge Crops | Character of Storm |
| OKLAHOMA, Wes | tern, Cei | ntral and S | outheast | | | | | | |
| Harper County Laverne | 30 | 0124CST | | | 0 | 0 | | | Hail (0.75) |
| Harper County 14 S Selman | 30 | 0230CST | | | 0 | 0 | | | Thunderstorm Wind (G57) |
| Grady County Chickasha | 30 | 1249CST | | | 0 | 0 | | | Hail (1.00) |
| Grady County Chickasha | 30 | 1250CST 1310CST | | | 0 | 0 | 150K | _ | Thunderstorm Wind |
| | downte a carpe | own business d | istrict. Utility and blown or | y poles were do nto a mobile h | wned, dama | ging and cu | itting the pow | er to the | ed several signs and awnings in the city's water treatment facility. Nearb st south of town a mobile home wa |
| Grady County | 20 | 1255097 | | | 0 | 0 | | | |
| Chickasha Grady County 7 E Tuttle | 30 30 | 1255CST 1310CST | | | 0 | 0 | | | Thunderstorm Wind (G61) Hail (0.88) |
| Stephens County 3 S Duncan | 30 30 | 1343CST | | | 0 | 0 | | | Hail (0.75) |
| Oklahoma County Oklahoma City | 30 | 1415CST northeast part o | f the city | | 0 | 0 | | | Hail (1.00) |
| Cleveland County Noble | 30 | 1438CST | | | 0 | 0 | | | Hail (0.75) |
| Carter County Fox | 30 | 1510CST | | | 0 | 0 | | | Hail (0.88) |
| Carter County Springer | 30 | 1540CST | | | 0 | 0 | | | Hail (1.00) |
| Carter County Springer | 30 Severe | 1540CST thunderstorm | winds estima | ated at 75 mph | 0 tore sheet me | 0 etal off a ba | 0.80K arn. | | Thunderstorm Wind (G63) |
| Murray County 6 SSW Davis | 30 at Turr | 1540CST ner Falls | | | 0 | 0 | | | Hail (1.00) |
| Murray County 5 W Sulphur | 30 | 1540CST | | | 0 | 0 | | | Hail (0.75) |
| Murray County Dougherty | 30 | 1545CST | | | 0 | 0 | | | Hail (1.00) |
| Murray County Dougherty Love County | 30 | 1545CST | | | 0 | 0 | | | Thunderstorm Wind (G61) |
| 2 W Courtney Carter County | 30 | 1550CST | | | 0 | 0 | | | Hail (0.75) |
| 1 S Springer Carter County | 30 | 1610CST | | | 0 | 0 | | | Hail (1.00) |
| 1 S Springer | 30 Severe | 1610CST thunderstorm | winds downe | ed power lines. | 0 | 0 | 0.40K | | Thunderstorm Wind |
| Murray County Hickory | 30 | 1613CST | | | 0 | 0 | | | Hail (1.75) |
| Murray County Hickory | 30 | 1615CST | | | 0 | 0 | | | Hail (1.00) |
| Carter County 2 S Dickson | 30 accom | 1616CST panied by west | winds of 45 | to 50 mph | 0 | 0 | | | Hail (1.00) |
| Carter County Dickson | 30 | 1618CST | | - | 0 | 0 | | | Hail (1.00) |

| | | Time | Path Lanath | Path | Number | | Estimated | March 199 | |
|---|--|--|--|---|--|--|---|---|--|
| Location | Date | Local/ Standard | Length (Miles) | Width (Yards) | Person Killed | 1s Injured | Damage Property Crops | Character of Storm | |
| OKLAHOMA, Weste | ern, Cer | ntral and Se | outheast | | | | | | |
| Pontotoc County 2 N Allen | 30 | 1645CST | | | 0 | 0 | | Hail (1.00) | |
| Coal County 7 NNE Tupelo | 30 | 1705CST | | | 0 | 0 | | Hail (0.75) | |
| Hughes County 5 WNW Calvin | 30 | 1710CST red at the Oklal | homa Meson€ | et site | 0 | 0 | | Thunderstorm Wind (G50) | |
| Hughes County | mousu | eu ur ine onnu | 101114 101000110 | | | | | | |
| 1 W Atwood | 30 | 1715CST | | | 0 | 0 | | Hail (0.75) | |
| Hughes County Calvin | 30 | 1717CST | | | 0 | 0 | | Hail (0.88) | |
| Hughes County Lamar | 30 | 1718CST | 0.6 | 25 | 0 | 0 | | Tornado (F0) | |
| | across tornado of the p blown tornado | Lamar Mounta o moved north path, the roof v down, and a t o blew the roof yed a shed acro | ain just south along the wes was blown off ree was upro- f off a worksl | west of town. st edge of town f a cow shed. J oted. Shutters hop and tossed | This first funr for about .4 n fust north of th were blown l a trampoline | el lifted niles ther nere a tra off the r over a h | and then a second fur a veered to the northear avel trailer and dog ho next house to the north nouse. At this point the | hel that developed as the storm can nuel formed and touched down. The st before lifting. On the southern e- use were blown over, an antenna w h. About a block north of there the e tornado turned to the northeast ar s about .6 miles long, and the torna | |
| Johnston County Coleman | 30 | 1730CST | | | 0 | 0 | | Hail (0.75) | |
| Bryan County | 30 | 1/50051 | | | U | U | | Hail (0.75) | |
| 1 N Calera | 30 | 1750CST | | | 0 | 0 | | Hail (0.75) | |
| Atoka County 2 N Farris | 30 Summa | 1845CST ary of events of | March 30th: | | 0 | 0 | | Hail (0.75) | |
| | A line of thunderstorms formed along a cold front as it moved east across central and southern Oklahoma. The line extended across the state from Kansas to Texas and produced large hail, damaging winds, and one tornado. The largest hail (golf ball-sized) we reported in Hickory in Murray County. Widespread wind damage occurred in Chickasha in Grady County as one storm evolved int a bow-echo. As the line of storms continued to move east, they developed comma-head radar signatures. One of these storm produced a small tornado (F0) in Lamar in Hughes County. See preceding individual Storm Data entries for further information and additional reports. | | | | | | | | |
| | a bow-e produce | echo. As the a ed a small torna | ado (F0) in La | s continued to amar in Hughe | move east, th s County. | ey devel | loped comma-head rad | | |
| OREGON. Central a | a bow-e produce See pre | echo. As the a ed a small torna ceding individu | ado (F0) in La | s continued to amar in Hughe | move east, th s County. | ey devel | loped comma-head rad | | |
| <u>OREGON, Central an</u> ORZ019 | a bow-e produce See pre- nd East Northe | echo. As the ed a small torna ceding individu east Oregon | ado (F0) in La | s continued to amar in Hughe | move east, th s County. arther informat | ey devel | loped comma-head rad | lar signatures. One of these storm | |
| | a bow-e produce See pre- nd East Northe 23 Several | echo. As the ed a small torna ceding individu east Oregon 1600PST 2200PST | ado (F0) in La ual Storm Dat | s continued to amar in Hughe ta entries for fu | move east, th s County. arther informat 0 | ey devel ion and a 0 | loped comma-head rad | | |
| ORZ019 | a bow-e produce See pre- <u>nd East</u> Northe 23 Several hours. | echo. As the ed a small torna ceding individu east Oregon 1600PST 2200PST | ado (F0) in La ual Storm Dat | s continued to amar in Hughe ta entries for fu | move east, th s County. arther informat 0 | ey devel ion and a 0 | loped comma-head rad | dar signatures. One of these storm | |
| ORZ019 DREGON, Northwes | a bow-e produce See pre- nd East Northe 23 Several hours. | echo. As the ed a small torna ceding individu east Oregon 1600PST 2200PST l creeks in the | ado (F0) in La ual Storm Dat Meacham are | s continued to amar in Hughe ta entries for fu | move east, th s County. arther informat 0 | ey devel ion and a 0 | loped comma-head rad | dar signatures. One of these storm | |
| ORZ019 DREGON, Northwes | a bow-e produce See pre- nd East Northe 23 Several hours. | echo. As the ed a small torna ceding individu east Oregon 1600PST 2200PST | ado (F0) in La ual Storm Dat Meacham are | s continued to amar in Hughe ta entries for fu | move east, th s County. arther informat 0 | ey devel ion and a 0 | loped comma-head rad | dar signatures. One of these storm | |
| ORZ019 DREGON, Northwes | a bow-e produce See pre- nd East Northe 23 Several hours. 51 Northe 03 04 A stron | echo. As the ed a small torna ceding individu east Oregon 1600PST 2200PST I creeks in the ern Cascade 2200PST 1200PST | ado (F0) in La ual Storm Dat Meacham ar s ed 13 inches | s continued to amar in Hughe ta entries for fu ea were overfl | move east, the s County. In the r information of the solution | ey devel ion and a 0 anks and 0 | loped comma-head rad additional reports. l into pastures. Half a | dar signatures. One of these storm Flood n inch of precipitation fell in twelv | |
| ORZ019 <u>DREGON, Northwes</u> ORZ011 | a bow-e produce See pre- nd East Northe 23 Several hours. 52 Northe 03 04 A stron inches | echo. As the ed a small torna ceding individu east Oregon 1600PST 2200PST l creeks in the ern Cascade 2200PST 1200PST ng storm dump at Willamette I ern Cascade 0000PST | ado (F0) in La ual Storm Dat Meacham ar s ed 13 inches Pass. | s continued to amar in Hughe ta entries for fu ea were overfl | move east, the s County. In the r information of the solution | ey devel ion and a 0 anks and 0 | loped comma-head rad additional reports. l into pastures. Half a | dar signatures. One of these storm Flood n inch of precipitation fell in twelv Heavy Snow | |
| | a bow-o produce See pre- nd East Northo 23 Several hours. 5 t Northo 03 04 A stron inches 26 | echo. As the ed a small torna ceding individu east Oregon 1600PST 2200PST l creeks in the ern Cascade 2200PST 1200PST ng storm dump at Willamette l ern Cascade | ado (F0) in La ual Storm Dat Meacham an s ed 13 inches Pass. s | s continued to amar in Hughe ta entries for fu ea were overfl of new snow a | move east, th s County. In the rinformat 0 owing their ba 0 at Mt Hood M 0 | ey devel ion and a 0 anks and 0 eadows, 0 | loped comma-head rad additional reports. l into pastures. Half a | Iar signatures. One of these storm Flood n inch of precipitation fell in twelv Heavy Snow Pass, 8 inches at Santiam Pass, and | |

Heavy snow fell in the North Coast Range at unseasonably low elevations behind a Pacific cold front. Sunset Summit reported 5 inches of new snow and Wilson River Summit reported a total of 4 inches of new snow.

| | | Time | Path | Path | Numbe | | Estimated | March 1998 |
|---------------------------------|-----------------------------------|--|---|-------------------------------------|--|-------------------------------------|--|---|
| Location | Date | Local/ Standard | Length (Miles) | Width (Yards) | Perso Killed | ns Injured | Damage Property Crops | Character of Storm |
| OREGON, Southeast | | | | | | | | |
| ORZ020>021 | 28 29 High w | 2300PS 1100PS vinds blew ad | T cross south eas | - | | 0 mph gust | ing to 60 at Keating i | High Wind (G52) n Baker County. In Malheur County, |
| OREGON, Southwest | - | | neu neus neu | Drogan, orego | | | | |
| Coos County Coos Bay | 21 22 3.55 in | 0700PS 0700PS aches rainfall | Т | | 0 | 0 | | Heavy Rain |
| Jackson County 4 NE Copper | 21 22 3.41 in | 1600PS 1600PS aches rainfall | | | 0 | 0 | | Heavy Rain |
| ORZ008-015 | 21 22 | 1700PS 1700PS | Т | _ | 2 d to heavy rain | 1 Ifall on to | p of existing snowpa | Flood ck in southern Oregon March 21-22. |
| | Bullard southw The Illi | Creek in 1 estern Orego inois River b | Lake county on to near | caused minor s | street flooding of rainfall fell, | in Lake resulting | view, and one home in widespread small | county and all of Josephine county. e sustained light flood damage. In stream flooding in Josephine county. es of two rafters in the area called the |
| ORZ015 | 23 Strong, | Central C 1144PS gusty winds f Paisley. | Т | central Lake co | 0 ounty on March | 0 23. Win | d gusts ranged from 7 | High Wind (G74) 4 mph near Summer Lake to 86 mph |
| PACIFIC | | | | | | | | |
| Guam | | | | | | | | |
| Merizo | 01 31 | 0000HS 2359HS | | | 0 | 0 | 120K | Wild/Forest Fire |
| GUZ001>003-006 | Belau 01 31 | - Microne 0000HS 2359HS | ST | all Islands - (| Guam 0 | 0 | | Drought |
| | Guam. wooded places | These fires d areas. This not receiving | burnt 7619 acts month, thoug g even an inch | res. This is the the fires con | third month of sumed a house to in the Marsh | these typ in Meriz all Island | bes of fires, but up to zo. Rainfall is low act as had only 0.27 of an | yourable for uncontrolled fires across this month they have been mainly in ross the rest of Micronesia with most a inch for the entire month, with the |
| PENNSYLVANIA, C | <u>entral</u> | | | | | | | |
| Lancaster County Landisville | 09 Thund | 1840ES erstorm wind | | verlines just we | 0 st of Landisvill | 0 e. | | Thunderstorm Wind (G51) |
| Lancaster County Centerville | 09 Nickel | 1845ES sized hail fe | | le, west of Lanc | 0 aster. | 0 | | Hail (0.88) |
| PAZ005>006-037 | 14 Heavy | | T cross the highe | er elevations of ad Galeton with | | | Pennsylvania overni | Heavy Snow ght. Up to 6 inches of new snow was |
| Snyder County Countywide | 19 | 1900ES 2230ES | | | 0 | 0 | | Flash Flood |
| Franklin County Countywide | 20 21 Heavy | 2330ES 1200ES rains caused | Т | ad and small str | 0 ream flooding | 0 | | Flash Flood |

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| | | Time Local/ | Path Length | Path Width | Numbe Perso | | Estimated Damage | March 19 | |
|---------------------|---------------|--------------------|-------------------|------------------|-----------------|---------------|--------------------------|-----------------------------------|--------------------|
| Location | Date | Local/ Standard | Length (Miles) | Width (Yards) | Killed | ns Injured | Damage Property Crops | Character of Storm | |
| PENNSYLVANIA, C | <u>entral</u> | | | | | | | | |
| Adams County | | | | | | | | | |
| Countywide | 21 | 0200EST 1000EST | | | 0 | 0 | | Flash Flood | |
| Cumberland County | | | | | | | | | |
| Countywide | 21 | 0200EST 1000EST | | | 0 | 0 | | Flash Flood | |
| Perry County | | | | | | | | | |
| Countywide | 21 | 0200EST 1000EST | | | 0 | 0 | | Flash Flood | |
| Lancaster County | | | | | | | | | |
| Countywide | 21 | 0500EST 1000EST | | | 0 | 0 | | Flash Flood | |
| York County | | | | | | | | | |
| Countywide | 21 | 0500EST 1000EST | | | 0 | 0 | | Flash Flood | |
| | | | ell across a | wide area of sou | th central Pen | nsylvania | a, flooding small stream | ms and closing many | v roads. |
| PAZ037 | Tioga | | | | | | | | |
| | | | | | | | ward across Pennsylv | Heavy Snow vania. Snow was lim | nited to the highe |
| PENNSYLVANIA, E | | ions of the north | iern countie | es with Tioga Co | ounty reporting | amounts | around 6 inches. | | |
| | asi | | | | | | | | |
| Berks County | 08 | 1100EST | | | 0 | 0 | | II | |
| Countywide | 08 09 | 100EST 1000EST | | | U | U | | Heavy Rain | |
| Chester County | | | | | | | | | |
| Countywide | 08 09 | 1100EST 1000EST | | | 0 | 0 | | Heavy Rain | |
| Delaware County | | | | | | | | | |
| Countywide | 08 09 | 1100EST 1000EST | | | 0 | 0 | | Heavy Rain | |
| Montgomery County | | | | | | | | | |
| Countywide | 08 09 | 1100EST 1000EST | | | 0 | 0 | | Heavy Rain | |
| Philadelphia County | | | | | | | | | |
| Countywide | 08 09 | 1100EST 1000EST | | | 0 | 0 | | Heavy Rain | |
| Bucks County | | | | | | | | | |
| Countywide | 08 09 | 1200EST 1200EST | | | 0 | 0 | | Heavy Rain | |
| Lehigh County | | | | | | | | | |
| Countywide | 08 09 | 1300EST 1500EST | | | 0 | 0 | | Heavy Rain | |
| Northampton County | | | | | | | | | |
| Countywide | 08 09 | 1300EST 1500EST | | | 0 | 0 | | Heavy Rain | |
| Carbon County | | | | | | | | | |
| Countywide | 08 09 | 1400EST 1400EST | | | 0 | 0 | | Heavy Rain | |
| Monroe County | | | | | | | | | |
| Countywide | 08 09 | 1400EST 1400EST | | | 0 | 0 | | Heavy Rain | |

Rain overspread Eastern Pennsylvania during the late morning and early afternoon on the 8th preceding a low pressure system's warm front. The heaviest rain in Southeast Pennsylvania fell during the late afternoon and evening on the 8th and mainly during the morning of the 9th in the Lehigh Valley, Berks County and the Poconos. Scattered pockets of heavier rain also fell during the evening of the 9th from Berks County northeast through the Poconos. Storm totals averaged between 1.5 and 2.0 inches, except they exceeded 3 inches in Monroe County. This caused some urban and poor drainage flooding, but was not heavy enough to push any major streams or rivers over their banks. The heavy rain contributed to a major crash in Chester County the afternoon of the 8th. A volunteer fire fighter was killed and ten others were injured when a braking tractor trailer flipped on its side and plowed into a group of emergency rescue workers at an accident site on the Pennsylvania Turnpike about two miles west of Downingtown.

| | | Time Local/ | Path Length | Path Width | Numb Perso | | Estimate Damag | | March 199 |
|--|---|--|---|--|---|---|--|---|---|
| Location | Date | Standard | (Miles) | (Yards) | Killed | Injured | - | e Crops | Character of Storm |
| PENNSYLVANIA, I | East | | | | | | | | |
| | 2.79 Coun Coun Glenr 1.37 | ty), 2.08 inches ty), 2.00 inches ty), 2.00 inches noore (Chester | Pond (Monr in Hamburg s in Green La County), 1.3 miny Falls (| toe County), 2 (Berks Count ane (Montgome 88 inches in S Bucks County) | .20 inches in y), 2.05 inch ery County), 1 pringtown (Bu), 1.34 inches | Phoenixvi es in East .93 inches acks Coun at the W | ille (Chester C con (Northamp s at the Lehigh nty), 1.44 inch | County), ton Cou Valley nes in V | in Mount Pocono (Monroe County 2.09 inches in Lehighton (Carb inty) and East Stroudsburg (Monr International Airport, 1.91 inches Valley Forge (Montgomery County 31 inches in Crum Creek (Delawa |
| Berks County 2 S Sinking Spg to Kutztown | 09 | 1912EST 1940EST | | | 0 | 0 | | 0 | Thunderstorm Wind |
| Berks County Blandon | 09 | 1933EST | | 50 | 0 | 0 | 100K | 0 | Tornado (F1) |
| | 1937EST A line of severe thunderstorms moved through Berks County Pennsylvania the evening of March 9th and knocked down tree limit and power lines from Spring Township northeast through Kutztown. The worst damage occurred when the thunderstorm dropped weak tornado (F1 on the Fujita Scale) in Blandon located in southern Maiden Creek Township a little after 730 p.m. EST. Th tornado touched down on Pennsylvania State Route 73 (Main Street) in Blandon. It moved northeast nearly along Willow Creek an parallel to U.S. Route 222. Homes along Cornerstone Drive in the Maiden Creek Estates development were nearest the path an had the most widespread damage. The tornado lifted as it passed over Pleasant Hill Road. More than half of its two mile pat length was through wooded areas and this reduced the damage that was done. No injuries were reported. | | | | | | | | |
| | had it from house playh incluc Abou were | s front door kno a house on Corr s mainly on th ouses and swing ling fruit trees, o t 700 customers | ocked out and herstone Driv e east side o g sets and rip evergreens ar s throughout Blandon, Ku | d its garage cru e and embedde of Cornerstone ped siding and ad maples were the county lose atztown, Richn | shed by a fall d its siding in Drive suffere shingles. Sto either snappe | en tree. The to the grou d minor to rage sheds d or uprocesse of the to | he tornado tore und and and sid to moderate da s were seen bo oted. Traffic si | e out an des of amage ouncing gns wer e thunde | The house on Pleasant Hill Road al entire section of a second story w other homes. About an additional as the tornado leveled sheds, toss through backyards. Numerous tree re ravaged and twisted. erstorms and lightning strikes. Th also at least five separate reports |
| PAZ054>055 | | oon - Monroe 0100EST | | storms. | 0 | 0 | | | Wintry Mix |
| | 18th. progr roadw States | Precipitation s essed. The rain ays were hazar | ng rain overs tarted shortly n ended by r dous. A low y while it wa | after midnigh noon across the pressure syst s warm enoug | tt as sleet and e Poconos. S em in the Mis h for rain abo | freezing n torm total sissippi V ve the gro | rain and slowly s were genera alley pumped | y chang lly und moistu | during the first half of the day on t ed over to plain rain as the morni er two tenths of an inch. Untreat re eastward into the Middle Atlant the surface left by a departing his |
| PAZ054>055 | 21 | oon - Monroe 0700EST | | | 0 | 0 | | | Winter Storm |
| | 21st t from elevat (near (Carb North | hrough sunrise New York State tions. Periods o Cape Cod the r on County) and Carolina early | ped around s on the 22nd. e and Canada f snow persis norning of th 3.5 inches in in the morni | Precipitation s a, precipitation ted through the e 22nd) moved n East Stroudst ng on the 21st | started as rain slowly chang e night of the 2 d through the burg. The low , to just east o | before dav ed over fr 1st until t region. A pressure f Delawar | wn on the 21st om rain to slee he upper level ccumulations system that ca e the evening | , but as et and t low gui include used th of the 2 | nroe Counties from daybreak on t cold air was drawn into the Pocor hen snow, starting first in the high ding the surface low pressure syste d 6 inches at Indian Mountain Lak e heavy snow moved northeast fro 21st to Cape Cod the morning of the arly morning on the 22nd. |
| PAZ060>062 | 21 | s - Lehigh - N 1300EST | - | on | 0 | 0 | | | Wintry Mix |
| | of the region the ev low g | 21st through s n from New Yos vening, starting t juiding the surfa | re system dro unrise on the rk State and (first in the his ace low press | 22nd. Precip Canada, precip gher elevations sure system (no | itation started itation slowly . Periods of li ear Cape Cod | as rain be changed o ght snow the morni | fore dawn on over from rain persisted throu ing of the 22nd | the 21st to sleet igh the d) move | he Lehigh Valley from the afternoo t, but as cold air was drawn into th in the afternoon and then to snow night of the 21st until the upper leve ed through the region. The heavie ally around an inch in the valleys and |

| | | Time | Path | Path | Number | r of | Estim | ated | March 1998 |
|---------------------|---|---|--|--|--|--|--|---|--|
| Location | Date | Local/ Standard | Length (Miles) | Width (Yards) | Person Killed | ns Injured | Dam Property | age Crops | Character of Storm |
| PENNSYLVANIA, Ea | st | | | | | | | | |
| | a coup Interna mornir | ntional Airpor | t. The low j | pressure system of Delaware th | n that caused t | he wintry e 21st to | mix move Cape Cod t | d northea he mornir | nd 0.5 inches at the Lehigh Valley st from North Carolina early in the ng of the 22nd. The upper level low |
| PAZ054>055-060>062- | Carb | on - Monro | e - Berks - I | Lehigh - Nor | thampton - C | Chester - | Montgon | nery - B | ucks - Delaware - Philadelphia |
| 067>071 | 27 | 1000ES | Г | | 0 | 0 | | | Unseasonably Warm |
| | 31 | 1800ES | | 1 M 1. 1 | | | | | oss Eastern Pennsylvania from March |
| | 27th th Berks monthl The pr Lehigh Philado Eastern (Delaw County and the | rough March County, the ly high tempe revious March valley Inter elphia Interna n Pennsylvan vare County), y), East Strou e Lehigh Vall | 31st. The wa Lehigh Valley rature records a monthly recor- national Airport tional Airport ia, the highes 88 degrees i dsburg (Monr ey Internation | rmest days we and the Pocc including the l ord was 86 de ort on the 27t t. The high of st temperatures n Reading (Be oe County) an al Airport, 86 | re the 30th arou onos. Several I Lehigh Valley In grees set on Ma h, 30th and 31s 81 degrees on included 89 de erks County), N d the Northeast degrees at the I | nd the Ph ocations a nternation arch 29, 1 st and on the 31st egrees in New Hope Philadelp | iladelphia M across the M al Airport o 1945. Daily the 30th (of tied the rec King of Pru e (Bucks Co bhia Airport, nia Internatio | fetropolita Aiddle At n the 30th high ten one degre ord high ussia (Mo punty), the , 87 degr ponal Airpo | an Area and either the 30th or 31st in lantic States established new March with a high of 87 degrees. apperature records were broken at the e shy of the monthly record) at the for the day in Philadelphia. Across intgomery County), and Crum Creek e Willow Grove NAS (Montgomery ees in Easton (Northampton County ort and 84 degrees in Mount Pocono tures back to seasonal levels in early |
| PENNSYLVANIA, No | - | st | | | | | | | |
| PAZ039>040-044-048 | | | Vayne - Lac | kawanna - F | ike | | | | |
| | 20 22 | 1900ES 0900ES | Г | | 0 | 0 | | | Heavy Snow |
| | A nota evenin freezin the hig 6 hour Fro streng 22nd a St comm | able spoke of ng on the 20th ng rain. This gher elevation period in are om the even in the ing further across the nor nowfall totals on. Equinum | upper level e in into the earl round of mixe is just outside as north of Sc ag of the 21st er. As this of thern tier and for this entir k and Dyberry | nergy rotated y morning hou ed precipitation of the Wilkes- ranton. through the 22 courred, narrow Pocono region e event were h y township in V | around this stor ars on the 21st. a brought an ice Barre/Scranton 2nd, the storm c v bands of very s. neaviest to the p | rm and af A burst coating u metropoli center beg heavy su north and bicked up | fected parts of heavy si up to a quar itan area. A an to move nowfall deve east of Scr 8 to 10 incl | of northe now result ter of an i lso, 2 to 5 northeast eloped ov anton. A | through much of the day on the 21st eastern Pennsylvania from late in th ted, which was mixed with sleet an nch thick on exposed surfaces across 5 inches of snow fell within roughly ward off the Mid-Altantic coast whil ernight into the early morning of th accumulations of 6 to 10 inches wer w while Bushkill in Pike county and |
| PENNSYLVANIA, No | orthwe | <u>est</u> | | | | | | | |
| PAZ001 | North 08 | iern Erie 1600ES | | | 0 | 0 | 50K | | High Wind |
| | | | to 60 miles p | er hour along t nes were dowr | | wned a tr | ee on a hous | se in Fairv | view and another tree fell on a hous |
| PAZ002>003 | South 10 12 | ern Erie - (0415ES 0645ES | Г | | 0 | 0 | | | Heavy Snow |
| | Heavy days b roadw miles depths amour | v lake effect spefore tapering ays mainly w per hour at ti reached six nts of 24 inc | now develope g off to a few ret and travel mes on the 10 inches by 11 | snow showers. problems were oth, and dimini AM on the 100 pro, 22 inches | Temperatures confined main shed a bit each h. Total snow | near or al ily to the day, but fall amou | bove freezin night time a drifting sno ints generall | g each da and early w was a j y ranged | I on and off (mainly inland) for three y and the warm March sunshine kep morning hours. Winds gusted to 40 problem throughout the event. Snow from six to eight inches, with highe all in Erie County; and 22 inches a |
| PAZ002>003 | - | ern Erie - (0415ES 1915ES | Crawford F | | 0 | 0 | | | Heavy Snow |

| | | Time | Path | Path | Number | | Estimated | March 1998 |
|---|---|--|--|---|---|--------------------------------|---|--|
| Location | Date | Local/ Standard | Length (Miles) | Width (Yards) | Person Killed | s Injured | Damage Property Crops | Character of Storm |
| PENNSYLVANIA, M | Northwes | st | | × / | | 5 | | |
| <u>I Li (i (j I L / / i (i/i, i</u> | | | back side of | a low pressure | center over th | e Appala | achians was enhanced | d by north winds off Lake Erie. The |
| | | | | | | | | red at Union City, 12 inches at Corr |
| | | | | | unty; twelve i | nches at | Conneautville and r | nine inches each at Spartansburg and |
| | | idge Springs, a | all in Crawfo | rd County. | | | | |
| PAZ001 | | ern Erie | | | | | | |
| | 21 | 0900EST 1535EST | | | 0 | 0 | | Heavy Snow |
| | Rain cl | | | ack side of a lo | w pressure sv | stem and | l a band of heavy sr | now rotated into the Erie County PA |
| | | | | | | | | h the heaviest amounts east of the city |
| | of Erie. | . The city of I | Northeast rep | orted eight inch | es of new snov | with no | orth winds of 35 miles | per hour blowing the snow into drift |
| | up to fo | our feet deep. | | | | | | |
| | | | | | | | | |
| PENNSYLVANIA, V | <u>West</u> | | | | | | | |
| PAZ030-032 | | oreland - F | | | | | | |
| | 10 | 0500EST | | | 0 | 0 | | Winter Storm |
| | 11 Seven i | 1300EST | | npion in the ridg | res of Westmo | eland Co | unty | |
| | | | | | · | | • | higher elevations of the Chestnut and |
| | Laurel r | | U | 5 | | C | e | 0 |
| PUERTO RICO | | | | | | | | |
| Humacao | | | | | | | | |
| Naguabo | 07 | 0600AST | 1 | | 0 | 0 | | Heavy Rain |
| C | | 0900AST | | | | | | · |
| | Several | creeks went o | out of their ba | anks. | | | | |
| Humacao | | | | | | | | |
| Countywide | 07 | 1200AST 1800AST | | | 0 | 0 | 2.5M | Flash Flood |
| San Juan | | 1000A51 | | | | | | |
| North Portion | 07 | 1200AST | I. | | 0 | 0 | 100K | Flash Flood |
| | 07 | 1800AST | | | Ū | Ū | 10011 | |
| | | | | | | | | across most of the east and northeast |
| | | | | | | | | Bayamon. In San Lorenzo mud slides |
| | | | | | - | | | vent out of his banks flooding various nd residences were affected in Santa |
| | - | highbourhood. | - | ere also arrecte | d by the water | s. m Da | yannon severar ears a | ind residences were arrected in Santa |
| San Juan | | 8 | | | | | | |
| Dorado | 14 | 1525AST | i. | | 0 | 0 | | Waterspout |
| | | 1625AST | i. | | | | | |
| | Several | waterspouts s | potted in the | vicinity of Dora | ado. | | | |
| San Juan | | | | | | | | |
| | 29 | 1500AST | | | 0 | 0 | 5K | Urban/Sml Stream Fld |
| Bayamon to | | | | | | | | |
| Bayamon to Carolina | | 1800AST and small stree | am flooding | were reported in | n Bayamon Ca | atano an | d San Juan, Several F | nouses and roads were flooded. Street |
| | Urban a | and small strea | U | 1 | | | | nouses and roads were flooded. Street |
| Carolina | Urban a | and small strea | U | were reported in C | | | | nouses and roads were flooded. Street |
| | Urban a | and small strea | nage areas wa | 1 | | | | ouses and roads were flooded. Street Urban/Sml Stream Fld |
| Carolina San Juan | Urban a flooding 30 | and small strea g in poor drair 1300AST 1500AST | nage areas wa | as observed in C | arolina and Tro 0 | ıjillo Alt 0 | 0. | |
| Carolina San Juan Bayamon to Guaynabo | Urban a flooding 30 | and small strea g in poor drair 1300AST 1500AST | nage areas wa | 1 | arolina and Tro 0 | ıjillo Alt 0 | 0. | |
| Carolina San Juan Bayamon to | Urban a flooding 30 | and small strea g in poor drair 1300AST 1500AST | nage areas wa | as observed in C | arolina and Tro 0 | ıjillo Alt 0 | 0. | |
| Carolina San Juan Bayamon to Guaynabo | Urban a flooding 30 Urban a | and small stre: g in poor drair 1300AST 1500AST und small strea | nage areas wa | as observed in C were reported in | arolina and Tro 0 Catano, levito | ıjillo Alt 0 wn, and 0 | o. Guaynabo. | |
| Carolina San Juan Bayamon to Guaynabo <u>RHODE ISLAND</u> | Urban a flooding 30 Urban a Northy Newpo | and small strea g in poor drain 1300AST 1500AST and small strea west Provid ort | am flooding v | as observed in C were reported in | arolina and Tri 0 Catano, levito ence - Weste | o 0 wn, and 0 ern Ken | o. Guaynabo. | Urban/Sml Stream Fld Bristol - Washington - |
| Carolina San Juan Bayamon to Guaynabo <u>RHODE ISLAND</u> | Urban a flooding 30 Urban a Northy Newpo 08 | and small strea g in poor drain 1300AST 1500AST and small strea west Provid ort 1700EST | am flooding v | as observed in C were reported in | arolina and Tro 0 Catano, levito | ıjillo Alt 0 wn, and 0 | o. Guaynabo. | Urban/Sml Stream Fld |
| Carolina San Juan Bayamon to Guaynabo <u>RHODE ISLAND</u> RIZ001>007 | Urban a flooding 30 Urban a Northy Newpo 08 09 | and small strea g in poor drain 1300AST 1500AST and small strea west Provid ort 1700EST 2300EST | nage areas wa am flooding v lence - Sout | as observed in C were reported in theast Provid | arolina and Tri 0 Catano, levito ence - Weste 0 | o wn, and o ern Ken 0 | o. Guaynabo. 1t - Eastern Kent - | Urban/Sml Stream Fld Bristol - Washington - Heavy Rain |
| Carolina San Juan Bayamon to Guaynabo <u>RHODE ISLAND</u> | Urban a flooding 30 Urban a Northy Newpo 08 09 Northy | and small strea g in poor drain 1300AST 1500AST and small strea west Provid ort 1700EST 2300EST west Provid | nage areas wa am flooding v lence - Sout | as observed in C were reported in theast Provid | arolina and Tri 0 Catano, levito ence - Weste 0 | o wn, and o ern Ken 0 | o. Guaynabo. 1t - Eastern Kent - | Urban/Sml Stream Fld Bristol - Washington - |
| Carolina San Juan Bayamon to Guaynabo <u>RHODE ISLAND</u> RIZ001>007 | Urban a flooding 30 Urban a Northy Newpo 08 09 | and small strea g in poor drain 1300AST 1500AST and small strea west Provid ort 1700EST 2300EST west Provid | am flooding v am flooding v lence - Sout | as observed in C were reported in theast Provid | arolina and Tri 0 Catano, levito ence - Weste 0 | o wn, and o ern Ken 0 | o. Guaynabo. 1t - Eastern Kent - | Urban/Sml Stream Fld Bristol - Washington - Heavy Rain |

| | | | | | | er Phenor | | |
|-----------------------------|---|---|---|--|--|---|--|--|
| | Time Local/ | Path Length | Path Width | Number Person | | Estimated Damage | | March 1998 |
| Location | Date Standard | (Miles) | (Yards) | | Injured | Property Crops | Character of Storm | |
| RHODE ISLAND | | | | | | | | |
| Kent County West Warwick | 09 1900ES | г | | 0 | 0 | 50K | Lightning | |
| RIZ001 | Northwest Provi | | | U | U | 501 | Lightning | |
| | and heavy rainfall to at Woonsocket cress flooding in the city | vstem moving s o Rhode Island ted at 10.3 feet y. Several pa | , resulting in u t on March 10t rking lots wer | rban street floo h at 6:00 PM; t re reported floo | ding, bas flood stag oded wit | hio Valley to the east sement flooding, and ge is 9.0 feet. Urbar h up to 3 feet of v rms during the eveni | river flooding. The flood control system vater along the Black | Blackstone River |
| | In West Warwick, a \$50,000. Two other | | | | | fire spread to the ne d Cumberland. | arby house. Damag | e was reported a |
| | 3.02" was set on M 3.90"; Johnston, Pro West Warwick, 3.4 | larch 9th at Pr ovidence, and 0"; and Hopki erious in many | ovidence. Sor Cranston, 3.60 nton and Cum places. Many | ne of the maxi "; Woonsocket berland, 3.30". y roads had to b | mum tot , 3.43"; V The res e closed | falling in about 30 h als across the state i Warwick, T.F. Green st of the state had be due to flooding for p | ncluded: Coventry, Airport, and East P etween 2 and 3 inch | 4.05"; Clayville, rovidence, 3.41" es. Urban street |
| | | wer outages. | | | | a warm front during orted at Tiverton. Si | | |
| RIZ001>007 | Northwest Provi | | heast Provid | lence - Weste | ern Ken | nt - Eastern Kent | - Bristol - Washir | gton - |
| | Newport 12 1400ES 1500ES | | | 0 | 0 | | Strong Winds | |
| | Strong west to north mph; Newport, 50 n | west winds in nph; and Provi | dence, 48 mph | | | d to near 50 mph. So | | led: Tiverton, 5 |
| RIZ002>007 | Southeast Provid 21 0600ES 22 0800ES | Г | ern Kent - E | astern Kent 0 | - Bristo 0 | ol - Washington - | Newport Strong Winds | |
| | A strong very early coast on March 21st Rhode Island. Over from 35 to 50 mph | Spring nor'eas t passing to the r the northern occurred over t f March 21st i | southeast of C half of the stat the central and nto the mornin | Cape Cod on Ma e, snow accum southern portio | arch 22n Julation vo on of the | tem which moved to d. This storm brough vas from 2 to 4.5 ind state. The strong wi eak wind gust to 49 | nt a mixture of snow, ches. Strong northea nds occurred during | sleet, and rain to st winds gusting a 24-hour period |
| RIZ002>006 | Southeast Provid | | ern Kent - E | | | ol - Washington | | |
| | 26 1000ES 1800ES Strong south-southw mph was recorded a | F vest winds gust | ting to 35 to 50 | 0 mph occurred | 0 across co | entral and southern p | Strong Winds | A peak gust to 3 |
| RIZ004 | Eastern Kent 27 1434ES | | | 0 | 0 | | Record Warm | th |
| RIZ004 | Eastern Kent 28 1140ES | | | 0 | 0 | | Record Warm | |
| RIZ004 | Eastern Kent | r. | | 0 | 0 | | | |
| | 31 1350ES7 On March 27th, the 77 degrees set in 19 | high temperat | ure at T.F. Gre | u en Airport in W | 0 Varwick | reached 81 degrees, | Record Warm preaking the old reco | |
| | | | | | | reaking the old reco ord high temperature | | 1989. The hig |

On March 31st, the temperature at T.F. Green Airport in Warwick reached 85 degrees at 1:50 PM, breaking the previous record for the date of 75 degrees set in 1981. The warmest temperature ever recorded in the month of March is 90 degrees on March 29, 1945, however.

| | | Time Local/ | Path Longth | Path Width | Numbe Perso | | Estimate Damag | | | March 1998 |
|--|--|----------------------------------|-----------------------------------|-----------------|---------------------------|---------------------|------------------------|------------|--|-----------------|
| Location | Date | Local/ Standard | Length (Miles) | (Yards) | Killed | ns Injured | 0 | e Crops | Character of Storm | |
| SOUTH CAROLINA | , Centr | <u>al</u> | | | | | | | | |
| Bamberg County | | | | | | | | | | |
| 3 E Govan to 4 E Govan | 08 | 1255EST 1257EST | 1 | 100 | 0 | 0 | 0 | 0 | Tornado (F0) | |
| | The O | | a second touch | ndown east of | Govan near h | nighway 3 | 301 and the Lit | tle Sa | lkehatchie River takir | ig down several |
| | trees. | | | | | | | | | |
| Orangeburg County 3 E Neeses to 4.3 E Neeses | 08 | 1320EST 1322EST | 1.3 | 75 | 0 | 0 | 80K | 0 | Tornado (F2) | |
| 4.0 11 11 (6.563 | down | tornado tracke on top of a 35 | ft by 75 ft cir | nder block bu | ilding 30 yard | ds away | completely des | troying | m 35 ft into the air, and the mobile homes and | nd the building |
| | | | one to a couple so demolished. | | and permane | nt homes | s, and also to a | church | roof. A second 12 ft | by 24 ft cinde |
| Orangeburg County | | | | | | | | | | |
| 4 SSW Vance to 1.5 NE Vance | 08 | 1350EST 1400EST | 5 | 100 | 0 | 0 | 220K | 0 | Tornado (F2) | |
| 1.5 IVE VAIICE | found | tornado did m as far as 3 mil | | damage was | | | | | ured. Debris from the homes. Minor damag | |
| Clarendon County | | 1110505 | | | <u>^</u> | | | | | |
| 9.5 S Manning to 9 SSE Manning | 08 | 1418EST 1420EST | 1 | 65 | 0 | 0 | 2K | 0 | Tornado (F0) | |
| 5 502 Huming | The Factor The Factor The Factor The Some the Source of th | 2 tornado near | Vance jumped | Lake Marion | and briefly to | uced dov | vn near Cooper | rs Land | ing breaking off a tele | phone pole and |
| Lancaster County | | | | | | | | | | |
| 8 NNW Lancaster | 20 Count | 1429EST | l large hail 2 mi | iles west of H | 0 ancock | 0 | | 0 | Hail (1.00) | |
| Sumter County | Count | y Li D Teponee | r large han 2 m | lies west of Ha | ancock. | | | | | |
| 5 S Sumter | 20 | 1821EST | reported 1 inch | hail | 0 | 0 | | 0 | Hail (1.00) | |
| Sumter County | SKIV | ARIN Spouler I | leponeu i men | IIdII. | | | | | | |
| 8 E Sumter | 20 Severa | 1830EST d SKYWARN | spotters reporte | ed 1 inch hail. | 0 | 0 | | 0 | Hail (1.00) | |
| Lee County | | | | | | | | | | |
| Lynchburg | 20 Sherifi | 1845EST f reported 1 inc | h hail in Lynch | burg. | 0 | 0 | | 0 | Hail (1.00) | |
| Chesterfield County | • • | 1000500 | | | 0 | | | | | |
| Cheraw | 20 Sherif | 1930EST f reported 1 inc | h hail in Chera | w. | 0 | 0 | | 0 | Hail (1.00) | |
| SOUTH CAROLINA | , North | <u>Coastal</u> | | | | | | | | |
| Dillon County | | | | | | | | | | |
| Fork | 08 CHED | 1455EST 1500EST | 0.3 | 30 | | 0 | ED | | Tornado (F0) | |
| Marion County | SHER | IFF KEPUKII | ED TREES DO | WINED, FUIN | NEL CLOUL | 510111 | ED. | | | |
| 13 SW Mullins | 08 HAM | 1520EST RADIO SKYV | VARN REPOR | T OF HAIL I | 0 N THE CENT | 0 TENARY | - RAINS ARE | EA. | Hail (0.75) | |
| Horry County | | | | | | | | | | |
| 6 N Aynor | 08 DAM/ | 1530EST AGE IN PLEA | 0.2 SANT VIEW (| 30 COMMUNITY | 0 7, OFF S.C. 9 | 0 17. TWC | 25K D HOMES AN | D GAR | Tornado (F0) AGE DAMAGED. | |
| Marlboro County | 00 | 0200EST | | | 0 | Δ | | | T = 1 4 · | |
| Clio | | INING-CAUS | ED FIRE IN CTORS AND | | | | | BURN | Lightning ED A STORAGE | BUILDING |
| Horry County | | | | | | ~ | | | | |
| 2 W Myrtle Beach | 09 Roof | 0245EST S DAMAGED | AND TREES | DOWNED O | 0 N BUSH DR | 0 IVE, NE | 4K AR WACCAM | IAW P | Thunderstorm V OTTERY. | Wind (G55) |
| Florence County | | | | | | | | | | |
| Timmonsville to | 20 | 1905EST | | | 0 | 0 | | | Hail (1.75) | |

| | | Time Local/ | Path Length | Path Width | Number Person | | Estimated Damage | | March 1998 |
|-----------------------------------|---------------|-------------------------------|----------------|--|-------------------|------------|--|-----------------------|---------------------|
| Location | Date | Standard | (Miles) | (Yards) | | Injured | Property Crops | Character of Storm | |
| SOUTH CAROLINA | | | KYWARN SI | POTTER AND | MEDIA. | | | | |
| Darlington County | | | | | | | | | |
| Birdstown Xrds to Society Hill | 20 | 1905ES 1915ES | | | 0 | 0 | | Hail (1.75) | |
| Society IIII | REPOR | | | POTTER AND | MEDIA. | | | | |
| Marlboro County | | | | | | | | | |
| Wallace | 20 | 1935ES 1940ES | | | 0 | 0 | | Hail (0.75) | |
| | HAIL I | | | THE GROUNI |) | | | | |
| Dillon County | | | | | | | | | |
| Oak Grove | 20 | 1953ES | | | 0 | 0 | | Hail (0.75) | |
| | REPOF | 1955ES ' RTED BY 91 | | | | | | | |
| Marion County | | | | | | | | | |
| Peedee | 20 | 2025ES | | | 0 | 0 | | Hail (0.75) | |
| Dillon County | | 2030ES | ľ | | | | | | |
| Dillon County Latta to | 20 | 2030ES | Г | | 0 | 0 | 10K | Thunderstorn | n Wind (G70) |
| Lake View | | 2040ES | Г | | | | | | |
| Marian Gamata | STRON | NG WINDS | DAMAGED | HOUSES AND | DOWNED TR | EES, MA | INLY BETWEEN L | ATTA AND LAKE | VIEW. |
| Marion County Smithboro | 20 | 2100ES | Г | | 0 | 0 | | Hail (1.00) | |
| Simulou | | 2105ES | Г | | | Ū | | 11un (1100) | |
| | | | MERGENCY | MANAGEME | NT | | | | |
| SOUTH CAROLINA | ., North | <u>west</u> | | | | | | | |
| Greenville County Greenville | 08 | 0000055 | г | | 0 | 0 | | Flood | |
| Greenvine | 08 | 0800ES' 1200ES' | | | U | U | | Flood | |
| | • | - | | arly morning can have a second s | • | River to | rise a foot and a half | above its' flood stag | ge of 8 feet. Other |
| Oconee County | | | | | | | | | |
| 2 N Mountain Rest | 20 | 0740ES | Г | | 0 | 0 | | Thunderstorn | n Wind (G50) |
| York County Rock Hill | 20 | 1410ES | г | | 0 | 0 | | Thunderstorn | wind (G50) |
| Rock Him | Thunde | rstorms race | d across the U | | fter sunrise just | ahead of | f a strong cold front. | One became severe | in Oconee county |
| | | | | | | | another severe thund | | |
| | | | | | | | d power lines on the on size and power ou | | |
| | area. | on a car an | u onony uup | ped its seeupan | ion Eurge num o | i unino i | in one and power of | anges were also rep | |
| SOUTH CAROLINA | , South | Coastal | | | | | | | |
| SCZ044>045 | | ester - Ber | | | | | | | |
| | 01 31 | 0000ES 2359ES | | | 0 | 0 | | Flood | |
| | | | | stown crested at | 19.2 ft on the 1 | 9th. Floo | d stage 10.0 ft. The E | Edisto River at Givah | ans Ferry crested |
| | at 13.6 t | ft on the 21s | t. Flood stage | is 10.0 ft. These | e rivers remaine | ed above | flood stage for the en | tire month. | |
| Beaufort County | 00 | | F | | 0 | | | | |
| Bluffton | 08 | 1945ES 1950ES | | | 0 | 0 | | Thunderstorn | n Wind (G52) |
| SOUTH DAKOTA, O | Central a | | | | | | | | |
| SDZ033>036-045-048 | | | | yde - Jones - | Lyman | | | | |
| | 06 | 1900CS | | • | 0 | 0 | | Heavy Snow | |
| | 07 Heavy s | 1300CS snow of 6 to | | across most of c | entral South D | akota fror | n the evening of the | 6th to the afternoon | of the 7th Some |
| | - | | | | | | inches at Blunt, Pierr | | |
| | | | l Lyman cou | inties. Many | activities were | canceled | l and travel was si | gnificantly disrupte | d, especially on |
| SD7025 | Interstat | | | | | | | | |
| SDZ035 | Hughe 13 | es 1304CS | Т | | 0 | 0 | | High Wind (G | 50) |
| | -• | 100100 | | | | ~ | | gii , , iniu (O | / |

| An Clark County 5 S Willow Lake 29 SDZ007>008-011- 018>023 31 He Da ma Ha aft tho car So Clark So Clark Bancroft 29 2 NE Bancroft 29 2 NE Bancroft 29 SDZ038>040-050- Ba 052>069 20 | ral and Nor gh winds gusti d 1804. The m 0615C 0618C the Prairie Re rd glider, broke arshall - Roh 1200C 2200C avy snow of 6 kota from noor ny people strai mlin county, a ernoon, 4 mile usands of dolla icceled for Apri ne snowfall at rk and Britton, re included, 12 lmot, and 15 ir neast 0550C 0630C understorm wi ndation, blew 1410C | ing to near 60 n nobile home and CST CST ce out some wind perts - Day - \$ CST CST CST to 15 inches cc n through the la nded, especially n man was injur es west of Lake ars of damage to il 1st. Also, m mounts included , 9 inches at Bry 2 inches at Milbanl CST CST CST CST CST | miles south of V lows, blew off a Spink - Clark ombined with 3 ate evening of a long Intersta red when his si e Norden on H b the semi. The nany activities d, 6 inches at yant and Webst tertown and Bi k. | villow Lake, w barn door, wit c - Codingtor 0 0 to 50 mph w the 31st. Many te-29 and High nowmobile stru ighway 28, a c driver of the c and sports eve Doland , Cond er, 10 inches ne g Stone City, 0 other farm str | ns Injured trailer off 0 vinds gusti h damage h - Grant 2 vinds to ge y roads be way 12. T ick a snow car crossed ar was inju nts were p le, and Ca: ar Peever, 13 inches 0 uctures, bl | ng to over 80 mph sustained to severa t - Hamlin - Deu enerate blizzard con came snowpacked There were some a vplow in Bryant in d the lane and hit ured. Many schools postponed or cance stlewood, 7 inches at Victor, the Wat 100K | Pierre at the intersection of Highv Thunderstorm Wind (G? a uprooted many trees, destroyed a al other buildings. |
|--|---|--|--|---|---|---|--|
| SOUTH DAKOTA, Centa Hi an Clark County 5 S Willow Lake 29 At SDZ007>008-011- M 018>023 31 He Da Mana Ha aft tho can So Cla Minehaha County 2 SE Brandon 29 SDZ038>040-050- Be 052>069 Da He 31 | ral and Nor gh winds gusti d 1804. The m 0615C 0618C the Prairie Re rd glider, broke arshall - Roh 1200C 2200C avy snow of 6 kota from noor ny people strai mlin county, a ernoon, 4 mile usands of dolla icceled for Apri ne snowfall at rk and Britton, re included, 12 lmot, and 15 ir neast 0550C 0630C understorm wi ndation, blew 1410C | tth ing to near 60 n nobile home and CST CST treat located 5 n e out some wind Derts - Day - S CST CST to 15 inches con n through the la nded, especially nan was injur es west of Lake ars of damage to il 1st. Also, n mounts includee , 9 inches at Bry 2 inches at Bry 2 inches at Milbanl CST CST CST CST CST CST CST | nph blew a moi l trailer were de miles south of V lows, blew off a Spink - Clark ombined with 3 ate evening of / along Intersta red when his si e Norden on H b the semi. The nany activities d, 6 inches at yant and Websti tertown and Bi k. | bile home and t stroyed. 0 Willow Lake, w barn door, wit a - Codingtor 0 0 to 50 mph w the 31st. Many te-29 and High nowmobile strut ighway 28, a c driver of the cz and sports eve Doland , Cond er, 10 inches ne g Stone City, 0 other farm stru | trailer off f 0 vinds gusti h damage n - Grant 2 vinds to ge y roads be way 12. T ick a snow car crossed ar was inju nts were p le, and Cas ar Peever, 13 inches 0 uctures, bl | the road north of F ng to over 80 mph sustained to severa t - Hamlin - Deu enerate blizzard con came snowpacked There were some a vplow in Bryant in d the lane and hit ired. Many schools postponed or cance stlewood, 7 inches at Victor, the Waa 100K | Pierre at the intersection of Highv Thunderstorm Wind (G' a uprooted many trees, destroyed a al other buildings. Tel Blizzard Inditions across most of northeast and impossible to travel on which accidents in northeast South Dako a the early evening. Also, in the t a semi. The car was destroyed s were let out early on the 31st am eled and many businesses were co s at Turton and Clear Lake, 8 ind Summit. Snowfall amounts of a f ubay NWR, and Sisseton, 14 ind Thunderstorm Wind (G: |
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| He Da ma Ha aft thc can So Cla mc Wi SOUTH DAKOTA, South Kingsbury County Iroquois to 29 2 NE Bancroft Th fou Minnehaha County 2 SE Brandon 29 SDZ038>040-050- Be 052>069 Da He 31 | 22000 avy snow of 6 kota from noo ny people strai mlin county, a ernoon, 4 mile usands of dolla iccled for Apri- ne snowfall ar irk and Britton, re included, 12 lmot, and 15 ir neast 05500 06300 understorm wi ndation, blew 14100 | CST to 15 inches con n through the la nded, especially a man was injur es west of Lake ars of damage to il 1st. Also, n mounts includee , 9 inches at Bry 2 inches at Bry 2 inches at Milband CST CST CST off shingles, and | ate evening of along Intersta red when his su- Norden on H to the semi. The many activities d, 6 inches at yant and Websti tertown and Bi k. grain bins and | 0 to 50 mph w the 31st. Many e-29 and High nowmobile stru- ighway 28, a d driver of the ca and sports eve Doland , Cond er, 10 inches ne g Stone City, 0 other farm stru | vinds to ge y roads be way 12. T ick a snow car crossed ar was inju nts were p le, and Cas ar Peever, 13 inches 0 uctures, bl | ecame snowpacked There were some a vplow in Bryant in d the lane and hit ured. Many schools postponed or cance stlewood, 7 inches , and 11 inches at S at Victor, the Wat 100K | nditions across most of northeast and impossible to travel on which accidents in northeast South Dako in the early evening. Also, in the t a semi. The car was destroyed s were let out early on the 31st and eled and many businesses were of s at Turton and Clear Lake, 8 ind Summit. Snowfall amounts of a fubay NWR, and Sisseton, 14 ind Thunderstorm Wind (GS |
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| 2 NE Bancroft Th for Minnehaha County 2 SE Brandon 29 SDZ038>040-050- Be 052>069 Da He 31 | 06300 understorm wi ndation, blew 14100 | CST inds damaged g off shingles, and | | other farm str | uctures, bl | | |
| Th for Minnehaha County 2 SE Brandon 29 SDZ038>040-050- Be 052>069 Da He 31 | understorm wi ndation, blew 1410C | nds damaged g off shingles, and | | | | lew the wall of a | garage, moved another garage |
| 2 SE Brandon 29 SDZ038>040-050- Be 052>069 Da He 31 | | ХСТ Т | | U | and tree da | | |
| SDZ038>040-050- Be 052>069 Da He 31 | | | | ٥ | 0 | | II (0.55) |
| 052>069 Da He 31 | | | tings - Grego | rv - Jerauld | 0 - Sanbor | n - Miner - Lak | Hail (0.75) ke - Moody - Brule - Aurora |
| 31 | vison - Hans | son - Mccook | | | | | son - Turner - Lincoln - Bon |
| | 08000 - Yank 08000 | | | 0 | 0 | 140K | Heavy Snow |
| | 23000 | CST | | - | | | • |
| | | | | | | | es resulting in power outages. The 5 inches was reported. |
| SOUTH DAKOTA, West | in also eaused | aree dallinge in | | and where an | | | , meneo was reportedi |
| | orthern Blac | k Hills | | | | | |
| 01 | 0001N 1800N | | | 0 | 0 | | Blizzard |
| | powerful winte | er storm which b | | | | | thern Black Hills for five days. Bl is high as seven feet deep. |
| | | Hills - Souther | rn Foot Hills | - Central Bla | ack Hills | - Southern Bla | ck Hills - Fall River Co |
| Sh 04 | annon 0400N | AST | | 0 | 3 | | Heavy Snow |
| | 1600N | AST | | | | | - |
| the | southern Black | | | | | | ow amounts of five to eight inche ue to slick roads. One accident rej |
| SDZ026>027-031- Ce | | Iills - Souther | rn Foot Hills | - Penningtor | n Plains - | - Fall River Co. | - Shannon - Jackson - Benn |
| 06 | 0800N | AST | | 0 | 0 | | Heavy Snow |
| 07 An | 0900N other winter sto | | avy snow to so | thwest and sou | ith central | South Dakota Acc | cumulations ranged from 5 to 12 i |

| | | Time Local/ | Path Length | Path Width | Numbe Perso | | Estim Dam | | March 1 |
|---------------------------|---------------|------------------------------|----------------|------------------|------------------|---------------|----------------|------------|--|
| Location | Date | Standard | (Miles) | (Yards) | Killed | Injured | Property | Crops | Character of Storm |
| SOUTH DAKOTA, W | Vest | | | | | | | | |
| SDZ001-012-012>014- | | na - Butto - N | leade Co | Plaine - 7ia | hach - Nortl | horn Rle | ock Hills - 1 | Norther | n Foot Hills - Central Foot |
| 024>032-041>043 | | 8 | | | | | | | r Plains - Pennington Plain |
| | | on - Fall Rive | | | | | Juck IIII | Cubie | |
| | 28 | 0400MST | | | 0 | 0 | | | Winter Storm |
| | 29 | 2100MST | | | | | | | -hthto-l Cth D-ht- |
| | | | 1 | U | | | | | gh south central South Dakota. ern Black Hills where 12 to 18 |
| | | lations were co | 5 | ast and south | of the black | i iiis ailu | | and south | ern Black mills where 12 to 16 |
| FENNESSEE, Centra | | | | | | | | | |
| Maury County | - | | | | | | | | |
| 1.5 S Bryant Station to | 08 | 1605CST | 1 | 220 | 0 | 0 | 0 | 0 | Tornado (F0) |
| 1.5 SE Bryant Station | | 1606CST | _ | | - | - | - | | 10111110 (10) |
| | A worr | nan saw a tornad | lo from her h | iome. | | | | | |
| Davidson County | | | | | | | | | |
| Inglewood | 08 Longo (| 1710CST tree limbs were | hlorun dorun | | 0 | 0 | | | Thunderstorm Wind (G5 |
| Maana Canata | Large | liee lillios were | biowii dowii. | | | | | | |
| Moore County Lynchburg | 08 | 1745CST | | | 0 | 0 | | | Thunderstorm Wind (G5 |
| Lynchburg | | | used by the c | tity's fire depa | - | | strong thund | lerstorm v | winds. Some of the 250 gallons |
| | | into a nearby cr | • | , 1 | | | C | | C C |
| Wilson County | | | | | | | | | |
| Statesville | 08 | 1810CST | | | 0 | 0 | | | Thunderstorm Wind (G5 |
| | The hig | ghway departme | ent reported a | tree was blow | vn down on H | arden Ho | llow Rd. | | |
| Sumner County | 00 | 1025007 | | | ٥ | 0 | | | |
| Pleasant Grove | 08 The his | 1825CST ghway departme | ent reported ? | s trees were bl | 0 own down on | 0 Pleasant | Grove Rd | | Thunderstorm Wind (G5 |
| Decatur County | 1110 1112 | Bindy departing | in reported t | | o win do win on | 1 iousuiii | orove real | | |
| Decaturville | 19 | 1731CST | | | 0 | 0 | 30K | | Thunderstorm Wind (G5 |
| | 6 home | es sustained roo | f damage. Lo | ts of trees blo | wn down. 3 p | olice ante | ennas were b | lown dow | 'n. |
| Franklin County | | | | | | | | | |
| Winchester | 19 | 2310CST | | | 0 | 0 | | | Hail (1.00) |
| | Quarte | 2311CST r size hail repor | ted | | | | | | |
| Marion County | Quarte | i size nan repor | icu. | | | | | | |
| South Pittsburg | 19 | 2330CST | | | 0 | 0 | | | Hail (0.75) |
| South I hasburg | | 2333CST | | | Ŭ | Ŭ | | | ((((((((((((((((((((((((((((((((((((((|
| | EMA o | official reported | dime size ha | il that covered | l the ground. | | | | |
| Marion County | | | | | | | | | |
| Jasper | 19 | 2335CST 2339CST | | | 0 | 0 | 100K | | Thunderstorm Wind |
| | Strong | | vinds blew t | he roof off the | e cafeteria of | the Jaspe | r Middle Scl | hool. Ma | ny trees were blown down. So |
| | | | | | | | | | an's car. Building damage was do |
| | a chiro | practor's office. | About 15 ro | ads were close | ed due to down | ned trees | around Jaspe | r. | |
| Bledsoe County | | | | | | | | | |
| Lees Station | 19 | 2350CST | | | 0 | 0 | | | Thunderstorm Wind (G5 |
| G | Sneriii | 's office reporte | a treed down | l. | | | | | |
| Sequatchie County | 19 | 2350CST | | | 0 | 0 | | | Hail (0.75) |
| Dunlap | 19 | 2353CST 2353CST | | | 0 | U | | | Hall (0.75) |
| | Dime s | size hail covered | the ground. | | | | | | |
| Sequatchie County | | | | | | | | | |
| Dunlap | 19 | 2350CST | | | 0 | 0 | 50K | | Thunderstorm Wind (G5 |
| | Some 1 | 2353CST | los more d- | naged from 1 | wined trees !- | the Day- | h Croals are - | | |
| Mason Court- | Some I | homes and vehic | ties were dar | naged from do | owned trees in | the Brus | ii Creek area | | |
| Macon County | 31 | 1900CST | | | 0 | 0 | 2K | | Thunderstorm Wind |
| Lafayette | 31 | 1900CST 1901CST | | | U | U | 21 | | I nunuer storm wind |
| | Strong | thunderstorm w | inds blew do | wn 2 TVA ut | ility poles | | | | |

| | | Time Local/ | Path Length | Path Width | Numbe Persor | | Estimated Damage | | March 1998 |
|------------------------------|----------|--------------------------|----------------|-------------------|------------------|---------------|------------------------|-----------|-------------------------------|
| Location | Date | Standard | (Miles) | (Yards) | Killed | ns Injured | 0 | rops C | haracter of Storm |
| <u> TENNESSEE, East</u> | | | | | | | | | |
| Hamilton County | | | | | | | | | |
| Soddy Daisy to | 20 | 0122EST | ſ | | 0 | 0 | | 8K | Tstm Wind/Hail |
| 3 SE Soddy Daisy | _ | 0130EST | | | | _ | | | |
| | Lots o | of trees down n | ear Sequoyal | Nuclear Power | Plant blocking | g roads. | | | |
| Rhea County | 20 | 014050 | n | | 0 | | 2512 | | |
| Countywide | 20 | 0140EST | | wton was over | 0 Turnad Eaur | 4 | 25K sustained minor | 75K | Thunderstorm Wind |
| | | | | hout power imm | | | | injuries. | Trees down throughout county. |
| Roane County | noun | a 2000 custon | iers were wit | liout power min | louidely follow | ing the s | | | |
| Countywide | 20 | 0200EST | r | | 0 | 0 | | 10K | Tstm Wind/Hail |
| County white | | | | hout power duri | | | rm. | 1011 | i still vv ilitu/ Hall |
| Loudon County | | | | I | 8 , | | | | |
| 3 SW Loudon | 20 | 0220EST | Г | | 0 | 0 | | | Hail (0.75) |
| e o n Loudon | | ail reported on | | | | | | | |
| Anderson County | | 1 | 0. | | | | | | |
| Oak Ridge | 20 | 0245EST | ſ | | 0 | 0 | | 10K | Thunderstorm Wind |
| <u>-</u> | | down in Fairvi | iew Subdivisi | on. | | | | | |
| Union County | | | | | | | | | |
| 8 SW Maynardville | 20 | 0315EST | Г | | 0 | 0 | | 10K | Thunderstorm Wind |
| | Trees | down across H | Inds Valley | Rd. | | | | | |
| TENNESSEE, West | | | - | | | | | | |
| Shelby County | | | | | | | | | |
| Memphis | 19 | 1420CST | Г | | 0 | 5 | | | Lightning |
| wiempins | | | | lents were injure | v | | k the tree they w | vere unde | |
| Fayette County | | | | j | | | | | |
| Hebron | 19 | 1440CS7 | Г | | 0 | 0 | 5K | | Thunderstorm Wind |
| 11001011 | | 1445CST | | | Ū | Ū | | | |
| | Sever | al trees and po | wer lines we | re knocked down | n. | | | | |
| Shelby County | | | | | | | | | |
| Arlington | 19 | 1525CST | Г | | 0 | 0 | 5K | | Thunderstorm Wind |
| | | 1530CST | | | | | | | |
| | Some | telephone pol | es and power | lines were blow | n down. | | | | |
| Haywood County | | | _ | | | | | | |
| Brownsville | 19 | 1600CST | | | 0 | 0 | 5K | | Thunderstorm Wind |
| | Some | 1605CST cable and pho | | knocked down. | | | | | |
| Madican County | bome | cubic and pho | ne mes were | KHOCKEG GOWII | | | | | |
| Madison County Jackson | 19 | 1645CST | г | | 0 | 0 | 5K | | Thunderstorm Wind |
| Jackson | D | 1650CST | | | U | U | JX | | Thunderstorm wind |
| | Sever | al trees and sig | | vn down. | | | | | |
| Madison County | | - | | | | | | | |
| Bemis | 19 | 1700CST | Г | | 0 | 0 | 1K | | Thunderstorm Wind |
| | | 1705CST | | | | | | | |
| | The w | vindows of a fi | arniture store | were blown out | • | | | | |
| Henderson County | | | | | | | | | |
| Lexington | 19 | 1715CST | | | 0 | 0 | 0.01K | | Hail (0.75) |
| | | 1720CST | ſ | | | | | | |
| Henderson County | | | _ | | | | | | |
| Chesterfield | 19 | 1725CST | | | 0 | 0 | 1K | | Thunderstorm Wind |
| | Some | 1730CS trees and pow | | knocked down | in the eastern r | art of He | enderson county. | | |
| TEVAS Control | Some | acco una pow | er mies wele | intered down | uie eusterii p | | | | |
| <u>TEXAS, Central</u> | | | | | | | | | |
| Tom Green County | ~- | | - | | ~ | ~ | | | |
| Vancourt | 07 | 1336CST | ľ | | 0 | 0 | | | Hail (0.75) |
| | | | | | | | | | |
| Sutton County | | | | | | | | | |
| Sutton County 12 E Sonora | 07 | 1430CST | Г | | 0 | 0 | | | Hail (1.00) |
| Sutton County | 07 07 | 1430CST 1438CST | | | 0 0 | 0 0 | | | Hail (1.00) |

| | | Time | Path | Path | Numbe | | Estimated | March 1998 |
|---|--------------------|--------------------------|-------------------|-------------------------------------|------------------|---------------|--------------------------|-----------------------------------|
| Location | Date | Local/ Standard | Length (Miles) | Width (Yards) | Person Killed | ns Injured | Damage Property Crops | Character of Storm |
| TEXAS, Central | | | | | | | | |
| Concho County Paint Rock | 07 | 1500CS | Г | | 0 | 0 | | Hail (0.75) |
| Brown County 1 N Brownwood | 07 A roo | 1618CS of was blown o | | | 0 | 0 | 2K | Thunderstorm Wind |
| Nolan County Sweetwater | 15 | 1655CST 1920CST | | | 0 | 0 | | Flash Flood |
| | Street | t flooding repo | | water | | | | |
| Sutton County 10 E Sonora | 15 | 1910CS | Г | | 0 | 0 | | Hail (1.50) |
| TEXAS, Central Sout | <u>theast</u> | | | | | | | |
| Trinity County Trinity | 07 | 0812CS | Г | | 0 | 0 | 3K | Hail (0.88) |
| Jackson County 3 SE Morales | 07 | 2335CST | г | | 0 | 0 | 2K | Hail (0.75) |
| Wharton County | 07 | 255505 | L | | U | U | 28 | Hall (0.75) |
| El Campo Brazoria County | 07 | 2359CST | Г | | 0 | 0 | 3K | Hail (0.75) |
| Angleton | 16 | 1030CS 1130CS | | | 0 | 0 | 3К | Flash Flood |
| TEXAS, Extreme We | | t flooding. | | | | | | |
| TXZ055 | <u>sı</u> El Pa | 200 | | | | | | |
| 172033 | 26 | 1130MS 2315MS | | | 0 | 0 | 125K | High Wind (G54) |
| | | | | onsiderable blo d significant ro | | ich appa | rently contributed to | several automobile accidents. Two |
| TEXAS, Mid - South | | | | | | | | |
| Nueces County Robstown | 07 | 0005CS1 0010CS1 | | | 0 | 0 | | Hail (1.00) |
| | Nume | erous reports o | | l hail. | | | | |
| Jim Wells County Alice | 07 | 0007CS1 | Г | | 0 | 0 | | Hail (1.00) |
| Nueces County Corpus Christi | 07 | 0020CST 0030CST | | | 0 | 0 | | Hail (1.75) |
| | Nume | erous reports of | | d hail. | | | | |
| San Patricio County | | | | | | | | |
| Taft Aransas County | 07 | 0030CS1 | | | 0 | 0 | | Hail (0.75) |
| Rockport Duval County | 07 | 0035CS1 | | | 0 | 0 | | Hail (1.00) |
| Freer | 07 | 2315CST | Г | | 0 | 0 | | Hail (0.75) |
| Bee County Tuleta | 07 | 2320CST | Г | | 0 | 0 | | Hail (0.75) |
| Goliad County Weesatche Victoria County | 07 | 2320CS | Г | | 0 | 0 | | Hail (0.75) |
| Mission Vly | 07 | 2340CS | Г | | 0 | 0 | | Hail (0.75) |
| Duval County San Diego | 07 | 2345CST | Г | | 0 | 0 | | Hail (0.75) |
| La Salle County Cotulla | 16 | 0100CST 0130CST | | | 0 | 0 | | Thunderstorm Wind (G60) |

| | | Time Local/ | Path Length | Path Width | Number | | Estimat Damag | | March 199 |
|----------------------------------|--------------|-----------------------------|----------------|-------------------|-----------------|----------|------------------|------------|-------------------------------------|
| Location | Date | Standard | (Miles) | (Yards) | | Injured | Property | e Crops | Character of Storm |
| TEXAS, Mid - South | | | | | | | | | |
| | Num gusts | | f several tree | es blown down | and uprooted | along w | ith damage to | mobile | homes by strong thunderstorm with |
| Mcmullen County | gusts | | | | | | | | |
| 10 N Tilden | 16 | 0145CST | | . 11 1 | 0 | 0 | | 1' 1 | Thunderstorm Wind (G60) |
| Live Oak County | INW5 | spotter report of | or numerous | trees blown dow | wn and uproote | d. A bai | m door was dei | nolishe | d along with a shed and a wind mill |
| Whitsett | 16 | 0215CST | | | 0 | 0 | | | Thunderstorm Wind (G52) |
| | Law | enforcement off | ficer report o | of a 60 mph thur | derstorm wind | l gust. | | | |
| Victoria County 8 SE Victoria | 16 | 0545CST | | | 0 | 0 | | | Thunderstorm Wind (G50) |
| 0.52 (10001 | | | | e to a roof and a | | Ŭ | | | |
| <u>TEXAS, North</u> | | | | | | | | | |
| Eastland County | | 0.510.007 | | | 0 | 0 | 0 | 0 | TT () (0 ==) |
| 2 NE Gorman Wise County | 07 | 0710CST | | | 0 | 0 | 0 | 0 | Hail (0.75) |
| Wise County Alvord | 07 | 0710CST | | | 0 | 0 | 0 | 0 | Hail (0.75) |
| Palo Pinto County | | | | | | | | | |
| Gordon | 07 | 0800CST | | | 0 | 0 | 0 | 0 | Hail (1.50) |
| Erath County 4 W Stephenville | 07 | 0810CST | | | 0 | 0 | 0 | 0 | Hail (0.75) |
| Palo Pinto County | 07 | 0010001 | | | Ū | v | v | Ū | Han (0.75) |
| Palo Pinto Res | 07 | 0830CST | | | 0 | 0 | 0 | 0 | Hail (0.75) |
| Palo Pinto County | 07 | 0020000 | | | 0 | 0 | ٥ | 0 | TT () (0 ==) |
| Lone Camp Lamar County | 07 | 0838CST | | | 0 | 0 | 0 | 0 | Hail (0.75) |
| Powderly | 07 | 1300CST | | | 0 | 0 | 0 | 0 | Hail (0.75) |
| Lamar County | | | | | | | | | |
| Chicota | 07 | 1303CST | | | 0 | 0 | 0 | 0 | Hail (0.75) |
| Tarrant County Watauga | 15 | 2150CST | | | 0 | 0 | 0 | 0 | Hail (0.88) |
| Tarrant County | | | | | | | | | |
| North Richland Hills | 15 | 2155CST | | | 0 | 0 | 0 | 0 | Hail (1.75) |
| Tarrant County Keller | 15 | 21 <i>54</i> 09T | | | ٥ | 0 | 0 | 0 | Hail (1.00) |
| Tarrant County | 15 | 2156CST | | | 0 | U | U | U | Hail (1.00) |
| North Richland Hills | 15 | 2159CST | | | 0 | 0 | 0 | 0 | Hail (1.00) |
| Denton County | | | | | | | | | |
| Argyle | 15 | 2210CST | | | 0 | 0 | 0 | 0 | Hail (1.00) |
| Comanche County Countywide | 16 | 0145CST | | | 0 | 0 | 0 | 0 | Flash Flood |
| | Some | e county roads v | vere flooded. | | | | | | |
| Somervell County | 16 | 0000000 | | | 0 | 0 | 0 | 0 | |
| Countywide | 16 Some | 0220CST e county roads v | | and barricaded. | 0 | 0 | 0 | 0 | Flash Flood |
| Erath County | | 2 | | | | | | | |
| Countywide | 16 | 0228CST | | | 0 | 0 | 0 | 0 | Flash Flood |
| Coryell County | Sever | ral roads were f | looded. | | | | | | |
| Countywide | 16 | 0440CST | | | 0 | 0 | 0 | 0 | Flash Flood |
| · | N | 0853CST | | | | | | | |
| Lampasas County | num | erous county roa | aus were floo | uea. | | | | | |
| Countywide | 16 | 0440CST | | | 0 | 0 | 0 | 0 | Flash Flood |
| | Num | erous roads wer | e closed by l | high water and 2 | 25 persons were | e evacua | ted from their | nomes. | |
| Bosque County | 17 | 0500000 | | | Δ | • | Δ | • | Flock Flood |
| Cranfills Gap | 16 | 0508CST | | | 0 | 0 | 0 | 0 | Flash Flood |

| | - | Time Local/ | Path Length | Path Width | Numbe Perso | | Estimated Damage | | | March 1998 |
|--------------------------------|---------------------|---------------------------------|--------------------|-------------------------------------|-----------------------------|--------------------|--------------------------------|--------------|---|------------|
| location | Date | Standard | (Miles) | (Yards) | Killed | Injured | Property C | Crops | Character of Storm | |
| TEXAS, North | True (| fact of water w | |) of the Homilto | n County line | | | | | |
| Mclennan County Lorena | 16 | 0530CS | Г | 2 at the Hamilto roof, blew down | 0 | 0 nd uproot | 2.5K ed trees | 0 | Thunderstorm | ı Wind |
| Lampasas County Countywide | 16 | 0550CST 0845CST | ſ | | 0 | 0 | 0 | 0 | Flash Flood | |
| | All co | ounty roads we | | d closed. | | | | | | |
| Bell County Countywide | 16 Nume | 0600CS berous roads we | | nigh water. | 0 | 0 | 0 | 0 | Flash Flood | |
| Hood County Countywide | 16 Wides | 0602CS spread flooding | | g areas was repo | 0 orted. | 0 | 0 | 0 | Flash Flood | |
| Johnson County West Portion | 16 All co | 0607CS punty roads we | | e were flooded. | 0 | 0 | 0 | 0 | Flash Flood | |
| Tarrant County Ft Worth | 16 Old G | 0610CS Granbury Road | | Road were floo | 0 oded. | 0 | 0 | 0 | Flash Flood | |
| Tarrant County Haltom City | 16 Rising | 0615CS | | ming hours force | 0 ed evacuation | 0 of severa | 0 I residences. | 0 | Flash Flood | |
| Tarrant County Euless | 16 A wo | 0620CS man was rescu | | ng her vehicle i | 0 nto high water. | 0 | 15K | 0 | Flash Flood | |
| Parker County Countywide | 16 Nume | 0630CS | | oded. In Aledo. | 0 two cars were | 0 washed | 15K off low water cr | 0 ossing | Flash Flood | |
| Denton County Countywide | 16 | 0640CS erous county ro | Г | | 0 | 0 | 0 | 0 | Flash Flood | |
| Eastland County Eastland | 16 | 0642CST al streets were | Г | | 0 | 0 | 0 | 0 | Flash Flood | |
| Stephens County Countywide | 16 One r | 0645CS oad was flood | | nded. | 0 | 0 | 0 | 0 | Flash Flood | |
| Erath County Stephenville | 16 At the | 0647CS | Ր of SH 8 and S | H 108, a truck | 0 was swept off t | 0 he road t | 15K by high water an | 0 d carri | Flash Flood ed 100 yards. | |
| Wise County Countywide | 16 Pope | 0647CS Road, FM 165 | | 55 were closed | 0 by high water. | 0 | 0 | 0 | Flash Flood | |
| Tarrant County Kennedale | 16 Some | 0800CST streets were c | | water. | 0 | 0 | 0 | 0 | Flash Flood | |
| Bosque County Meridian | 16 A car | 1010CS was washed o | | high water. | 0 | 0 | 15K | 0 | Flash Flood | |
| Bosque County Valley Mills | 16 A brie | 1653CS 1653CS | | 0 eported. | 0 | 0 | 0 | 0 | Tornado (F0) | |
| Collin County Mc Kinney | 16 A sma | 1905CS all tornado mo | | | 0 aging 35 home | 0 s. Some | 200K cars were dama | 0 ged by | Tornado (F1) / flying debris. | |
| Bosque County Clifton | 16 | 2100CS | Г | | 0 | 0 | 0 | 0 | Flash Flood | |

| | | Time Local/ | Path Length | Path Width | Number Persor | | Estim: Dama | | March 1 | |
|--|---------------------|-----------------------------|---------------------------|------------------|----------------------------|-----------------|----------------------------|------------------------|-----------------------------------|-----------------|
| Location | Date | Standard | (Miles) | (Yards) | | Injured | Property | Crops | Character of Storm | |
| <u> TEXAS, North</u> | | | | | | | | | | |
| | | age on the No damage was | | iver at Clifton | measured the s | econd h | ighest volum | e of wate | r since records bega | n in 1923. Only |
| Tarrant County Benbrook Lake | 16 | 2100CS | Г | oded and destro | 0 byed by rapid ris | 0 ses in the | 0 e lake level. | 0 | Flood | |
| Grayson County Sherman | 18 Thund | 2330CS lerstorm wind | | um roofing ont | 0 o power lines. | 0 | 1.5K | 0 | Thunderstorm | Wind (G63) |
| Grayson County Pottsboro | 18 A radi | 2340CS o tower was b | F blown down by | y high winds. | 0 | 0 | 0 | 0 | Thunderstorm | Wind |
| Dallas County Duncanville | 19 | 0120CS | | | 0 | 0 | 0 | 0 | Hail (0.75) | |
| Hill County Itasca | 19 | 0130CS | Г | | 0 | 0 | 0 | 0 | Hail (0.75) | |
| Limestone County Mexia | 19 | 0300CS | Г | | 0 | 0 | 0 | 0 | Hail (1.75) | |
| Freestone County Teague | 19 | 0310CS | Г | | 0 | 0 | 0 | 0 | Hail (0.75) | |
| Cooke County 2 E Muenster | 19 Thund | 2300CS lerstorm wind | | a fence, some tr | 0 rees, and some | 0 telephon | 2K e poles. | 0 | Thunderstorm | Wind |
| Cooke County 1 S Dexter | 19 | 2310CS | | | 0 | 0 | 0 | 0 | Thunderstorm | Wind |
| Hood County 2 W Granbury | 27 Wind | 0130CS damage was r | | | 0 | 0 | 0 | 0 | Thunderstorm | Wind |
| Tarrant County Arlington | 28 | 0000CS | Г | eeled back by h | 0 igh winds. Wa | 0 iter dama | 15K age occurred | 0 to the inte | Thunderstorm erior from rain. | Wind |
| Young County Olney | 30 | 1300CS | Г | | 0 | 0 | 0 | 0 | Hail (0.75) | |
| Montague County Nocona | 30 | 1500CS | Г | | 0 | 0 | 0 | 0 | Hail (0.75) | |
| Montague County Forestburg | 30 | 1600CS | Г | | 0 | 0 | 0 | 0 | Hail (1.00) | |
| Cooke County Muenster | 30 | 1606CS | Г | | 0 | 0 | 0 | 0 | Hail (1.50) | |
| Cooke County 2 E Muenster Cooke County | 30 | 1610CS | Г | | 0 | 0 | 0 | 0 | Hail (2.00) | |
| 1 E Muenster Cooke County | 30 | 1613CS | Г | | 0 | 0 | 0 | 0 | Hail (1.50) | |
| 8 E Marysville | 30 Large | 1640CS hail was repo | | H. Moss Lake. | 0 | 0 | 0 | 0 | Hail (1.75) | |
| Anderson County 1 NW Palestine | 30 | 1700CS | | | 0 | 0 | 0 | 0 | Thunderstorm | Wind (G52) |
| Denton County 2 W Aubrey | 30 Thund | 1720CS | | 40 foot trailer, | 0 damaged a hors | 0 se barn, a | 30K and blew dow | 0 on five po | Thunderstorm wer poles. | Wind |
| Tarrant County 8 W Ft Worth | 30 | 1730CS | | | 0 | 0 | 0 | 0 | Hail (0.88) | |
| Tarrant County South Lake | 30 | 1745CS | | | 0 | 0 | 0 | 0 | Hail (0.75) | |

| | | Time | Path | Path | Number | of | Estimate | d | March 1998 |
|----------------------------------|--------------------|-------------------------|-------------------|------------------|---------------------|-------------|--------------------|------------|--|
| Location | Date | Local/ Standard | Length (Miles) | Width (Yards) | Persons Killed I | s njured | Damage Property | e Crops | Character of Storm |
| <u>TEXAS, North</u> | | | | | | | | | |
| Tarrant County | 20 | 1000 000 | | | 0 | 0 | 0 | 0 | |
| 1 W Crowley Tarrant County | 30 | 1809CS | Ľ | | 0 | 0 | 0 | 0 | Hail (0.75) |
| 1 N Crowley | 30 | 1810CS | Г | | 0 | 0 | 0 | 0 | Hail (0.88) |
| Tarrant County | 20 | 1020.00 | F | | ٥ | 0 | 0 | 0 | |
| Arlington Kaufman County | 30 | 1828CS | L | | 0 | 0 | 0 | 0 | Hail (0.75) |
| 2 NE Mabank | 30 | 2115CS | | | 0 | 0 | 5K | 0 | Thunderstorm Wind |
| Von Zondt County | Thunc | derstorm wind | s blew down | large tree limbs | and a barn. | | | | |
| Van Zandt County Jackson | 30 | 2120CS | Г | | 0 | 0 | 0 | 0 | Thunderstorm Wind |
| | Thunc | lerstorm wind | s blew down | a large tree. | | | | | |
| Van Zandt County Grand Saline | 30 | 2125CS | Г | | 0 | 0 | 0 | 0 | Hail (0.75) |
| Van Zandt County | 50 | 212505 | | | v | U | 0 | U | Han (0.73) |
| Grand Saline | 30 | 2125CS | | | 0 | 0 | 2.5K | 0 | Thunderstorm Wind |
| TEXAS, North Panha | | derstorm wind | s blew down | a carport. | | | | | |
| TXZ001>005 | | m - Sherma | n - Hansfo | rd - Ochiltree | - Linscomh | | | | |
| 11120012002 | 07 | 1700CS | Г | iu ocinicie | 0 | 0 | | | Blizzard |
| | 08 A low | 0600CS | | er levels of the | atmosphere over | the Tex | as South Plain | s and a | very cold and moist air mass across |
| | the no | rthern Texas I | Panhandle pro | oduced blizzard | conditions with | sustaine | | | mph to 40 mph and visibilities near |
| TV7007.017 | | | - | • | e to three inch ra | • | Detter C | | Course With colory Doof South |
| TXZ006>017 | - Ran | | - Hutchins | on - Roberts - | Hemphill - C | Jidnam | i - Potter - C | arson | - Gray - Wheeler - Deaf Smith |
| | 07 08 | 1900CS | | | 0 | 0 | | | Blizzard |
| TXZ018>020 | | 1900CS strong - Dor | | ngsworth | | | | | |
| | 07 | 1900CS | Г | 8 | 0 | 0 | | | Blizzard |
| | 08 A low | 0600CS pressure syst | | per atmosphere | over the Texas | South P | Plains and a ve | ry cold | and moist air mass over the Texas |
| | | | | | | | | | ph and gusts near 50 mph along with |
| | | | | | | | | | ral Texas Panhandle and one to four were closed Saturday night through |
| | | | • | | • | e strong | winds were co | mmon | across all of the Texas Panhandle. |
| TXZ003-008-012-017 | Hans 16 | ford - Hutcl 1200CS | | tter - Randall | 0 | 0 | | | Heavy Snow |
| | 17 | 0000CS | Г | | | | | | - |
| | | | | | | | | | d much colder and more moist air to inch range across the central Texas |
| | | ndle from this | | | wian totals were | general | ily ill the total | 10 11/0 | men lange across the central Texas |
| TXZ001>005 | | | | rd - Ochiltree | - Lipscomb | | | | |
| | 18 19 | 2200CS 1000CS | | | 0 | 0 | | | Heavy Snow |
| | | | | | | | | | d Oklahoma Panhandles ushering in |
| | | | | | and tweleve inch | | | | nged from four to eight inches across |
| Oldham County | ľ | | | 0 | | | | - | |
| Vega to 1 E Vega | 26 | 2050CS 2057CS | | | 0 | 0 | | | Hail (1.00) |
| 1 2 · · · · · · · | A seve | | | west of Amaril | lo producing larg | ge hail. | | | |
| Ochiltree County | 20 | 222 0.000 | F | | • | 0 | | | II (0.75) |
| Perryton Ochiltree County | 29 | 2338CS | L | | 0 | 0 | | | Hail (0.75) |
| 3 W Perryton to | 29 | 2351CS | | | 0 | 0 | | | Hail (0.88) |
| 3 SW Perryton | | 2355CS | Г | | | | | | |

| | St | orm D | ata ar | nd Unus | sual W | eath | er Phenon | nena | |
|---|------------------------|---|----------------|-------------------|-----------------------------|-----------------|------------------------------|--------------------------------------|------------------|
| | | Time Local/ | Path Length | Path Width | Number Person | | Estimated Damage | | March 1998 |
| Location | Data | Standard | (Miles) | (Yards) | | Injured | Property Crops | Character of Storm | |
| TEXAS, North Panha | andle | | | | | | | | |
| Hemphill County 3 W Canadian | 30 Severe tl | 0053CST hunderstorms | across the ne | ortheast Texas I | 0 Panhandle prod | 0 uced lar | ge hail late at night. | Hail (0.75) | |
| Ochiltree County 5 S Perryton | | 1830CST e thunderstorn ochiltree count | | | 0 Panhandle produ | 0 aced larg | ge hail which covered | Hail (0.88) the ground one inch | deep as reported |
| <u>TEXAS, Northeast</u> | | | | | | | | | |
| Bowie County Texarkana | 05 Nickel a | 1630CST and quarter siz | e hail report | ed along I-30 n | 0 near state line. | 0 | | Hail (1.00) | |
| Wood County 2 SW Quitman | 07 | 0315CST | | | 0 | 0 | | Hail (0.75) | |
| Franklin County 5 W Mt Vernon | 07 | 0523CST | | | 0 | 0 | | Hail (1.50) | |
| Angelina County Huntington Sabina County | 07 | 0805CST | | | 0 | 0 | | Hail (0.75) | |
| Sabine County 10 N Hemphill Sabine County | 07 | 0900CST | | | 0 | 0 | | Hail (0.75) | |
| 10 N Hemphill | 07 | 0900CST | | | 0 | 0 | | Hail (0.75) | |
| Nacogdoches County 2 NE Appleby Wood County | 07 | 1000CST | | | 0 | 0 | | Hail (0.75) | |
| 4 SW Quitman | 30 Thunder | 2145CST rstorm winds | ore a roof of | ff a home with a | 0 a few upstairs v | 0 vindows | 25K blown out near the in | Thunderstorm tersection of CR 210 | |
| Wood County 5 E Quitman | 30 Several | 2245CST powerlines we | ere down eas | st of town leadin | 0 ng to power out | 0 ages. | 5K | Thunderstorm | Wind (G60) |
| Wood County 4 S Quitman | 30 Thunder | 2245CST rstorm winds | olew the roo | f off a carport . | 0 | 0 | 2K | Thunderstorm | Wind (G60) |
| Smith County Tyler Pounds Arpt | 30 | 2305CST | | | 0 | 0 | | Hail (1.00) | |
| Smith County 4 SW Tyler | 30 Gust me | 2305CST easured by cer | tified Skywa | urn Storm Spott | 0 er. | 0 | | Thunderstorm | Wind (G65) |
| Smith County 9 SE Tyler | 30 | 2320CST | | | 0 | 0 | | Thunderstorm | Wind (G60) |
| Smith County 13 NW Tyler | 30 | 2320CST | | | 0 | 0 | | Thunderstorm | Wind (G60) |
| Cass County 11 NW Linden | 30 Several | 2330CST large trees we | re toppled a | cross Hwy 161. | 0 | 0 | | Thunderstorm | Wind (G60) |
| Cherokee County 5 S Alto | 30 | 2345CST | | ne fell across a | 0 | 0 s slightly | 2K v damaged. | Thunderstorm | Wind (G60) |
| Gregg County Longview | 30 Several | 2355CST trees were top | pled in towr | leading to nun | 0 nerous power o | 0 utages. | 5K | Thunderstorm | Wind (G60) |
| Gregg County Longview | 31 | 0001CST | • | th side of town | 0 | 0 | | Thunderstorm | Wind (G65) |
| Rusk County New London | 31 | 0005CST | | | 0 | 0 | | Thunderstorm | Wind (G60) |

| | | Time Local/ | Path Length | Path Width | Number | | Estimate Damag | | | March 1998 |
|--|---------------------|-----------------------------------|----------------|--------------------|-----------------------|------------------|--------------------------------|-------------|---|--------------------------|
| Location | Date | Standard | (Miles) | (Yards) | | is Injured | U | | haracter of Storm | |
| TEXAS, Northeast | | | | | | | | | | |
| Harrison County 1 W Hallsville | 31 Severa | 0010CST l trees were to | | | 0 | 0 | | | Thunderstorm | Wind (G60) |
| Harrison County Marshall | 31 | 0035CST | 1 | g a 3 mile path al | 0 ong state road | 0 154. | | | Thunderstorm | Wind (G70) |
| Panola County De Berry | 31 | 0050CST | | | 0 | 0 | | | Thunderstorm | Wind (G60) |
| Rusk County 1 S Tatum | 31 Severa | 0015CST l trees fell acro | | An 18 wheeler | 0 ran into the tre | 0 es and ty | 20K vo cars piled in | to the back | Thunderstorm to of the 18 wheel | Wind (G60) er. |
| TEXAS, South | | | 2 | | | | | | | |
| | NONE | REPORTED | | | | | | | | |
| TEXAS, South Centra | | | | | | | | | | |
| Gillespie County | | | | | | | | | | |
| Fredericksburg | 06 | 0902CST 0905CST | | | 0 | 0 | 0 | 0 | Hail (0.75) | |
| | Hail w | as reported to | | d roads. | | | | | | |
| Llano County | 07 | 1/15/007 | | | 0 | 0 | 0 | 0 | II 'I (1 5 0) | |
| Castell | 07 | 1615CST 1620CST | | | U | 0 | U | 0 | Hail (1.50) | |
| Llano County | | | | | | | | | | |
| Llano | 07 | 1640CST 1650CST | | | 0 | 0 | 0 | 0 | Hail (1.75) | |
| Gillespie County | | 1000001 | | | | | | | | |
| 15 NE Fredericksburg | 07 | 1645CST 1650CST | | | 0 | 0 | 0 | 0 | Hail (1.50) | |
| Blanco County | 07 | 1715CST | | | 0 | 0 | 0 | 0 | Hail (0.75) | |
| Johnson City | 07 | 1715CS1 1730CST | | | U | U | U | U | Hail (0.75) | |
| Blanco County | 07 | 1515000 | | | 0 | 0 | ٥ | 0 | | |
| Round Mtn | 07 | 1715CST 1730CST | | | 0 | 0 | 0 | 0 | Hail (0.75) | |
| Travis County | | | | | | | | | | |
| Austin | 07 | 1750CST 1800CST | | | 0 | 0 | 150K | 0 | Thunderstorm | Wind |
| | A seve | | | winds that dama | ged the roofs | of numer | ous homes in A | Austin. | | |
| Hays County | | 1000 000 | | | 0 | 0 | 0 | 0 | | |
| Henly | 07 | 1800CST 1805CST | | | 0 | 0 | 0 | 0 | Hail (0.75) | |
| Hays County | | | | | | | | | | |
| 10 NW San Marcos to 2 NW San Marcos | 07 | 1800CST 1805CST | | | 0 | 0 | 30K | 0 | Thunderstorm | Wind |
| | Numer | | | n by severe thun | derstorm wind | s. | | | | |
| Comal County | | 1005007 | | | 0 | 0 | 0 | 0 | | |
| 5 NW Canyon Res | 07 | 1825CST 1830CST | | | 0 | 0 | 0 | 0 | Hail (1.75) | |
| | Report | ed by Amateu | | ters. | | | | | | |
| Guadalupe County 6 NE Geronimo | 07 | 1850CST | , | | 0 | 0 | 0 | 0 | Hail (1.50) | |
| O INE GELOIIIIIO | | 1855CST | I | | v | U | U | U | 11all (1.30) | |
| | Report | ed by Amateu | r Radio spot | ters. | | | | | | |
| Caldwell County 5 W Luling | 07 | 1910CST | ı. | | 0 | 0 | 0 | 0 | Hail (1.50) | |
| - · · · ······························ | | 1920CST | | | v | | v | - | | |

| | | Time Local/ | Path Longth | Path | Numbe Perso | | Estimat | | March 1998 |
|-----------------------------------|----------|---|-------------------|-------------------|----------------|---------------|-------------------|------------|---|
| Location | Date | Local/ Standard | Length (Miles) | Width (Yards) | Killed | ns Injured | Damag Property | e Crops | Character of Storm |
| FEXAS, South Cent | ral | | | | | | | | |
| Gonzales County | ~- | | . - | 100 | 0 | | 0 | | |
| 2 E Smiley to 2.5 E Smiley | 07 | 1925CST 1927CST | 0.5 | 100 | 0 | 0 | 0 | 0 | Tornado (F0) |
| 210 2 Shiney | Sheri | ff's deputies repo | orted a small, | short-lived torn | nado near Smi | ley in op | en country. It | dissipa | ted rapidly. |
| Frio County | | | | | | | | | |
| Pearsall | 07 | 2129CST 2135CST | | | 0 | 0 | 0 | 0 | Hail (0.75) |
| Medina County | ~- | | | | 0 | | 0 | | |
| Devine | 07 | 2130CST 2135CST | | | 0 | 0 | 0 | 0 | Hail (0.75) |
| Wilson County | | 2100001 | | | | | | | |
| 4 N Floresville | 07 | 2225CST | | | 0 | 0 | 0 | 0 | Hail (0.75) |
| | Hoil | 2230CST reported by Ama | tour Padio a | ootters | | | | | |
| Gonzales County | Пан | reported by Ania | teur Kaulo sj | joners. | | | | | |
| Gonzales | 07 | 2230CST | | | 0 | 0 | 0 | 0 | Hail (0.75) |
| | | 2235CST | | | | | | | |
| Val Verde County | | | | | | | | | |
| 5 NW Comstock | 15 | 1600CST 1615CST | | | 0 | 0 | 0 | 0 | Hail (0.75) |
| Val Verde County | | | | | | | | | |
| 13 W Langtry | 15 | 1840CST | | | 0 | 0 | 0 | 0 | Hail (0.75) |
| Val Vanda Carrata | | 1855CST | | | | | | | |
| Val Verde County North Portion | 15 | 1915CST | | | 0 | 0 | 15K | 0 | Flash Flood |
| | | 2100CST | | | | | | | |
| | Hwy | 163 near Baker's | Crossing wa | as flooded for o | ver an hour as | s over 3 i | nches of rain h | ad falle | n upstream within the past hour. |
| Edwards County | 15 | 2100CST | | | 0 | 0 | 217 | 0 | Flesh Fleed |
| South Portion | 15 | 2100CS1 2230CST | | | U | U | 3K | U | Flash Flood |
| | | er Patrol officers over the previous | | o Springs repor | ted roads unde | er water i | n southern Edv | wards C | county as a result of nearly 2 inches o |
| Dimmit County | Tunit | fiel die previous | 2 110415. | | | | | | |
| Countywide | 16 | 0000CST | | | 0 | 0 | 3K | 0 | Flash Flood |
| | Com | 0200CST | 1 | -1-4-14-4-16 | 4 4 1 | | 1 9 - 1 9 - 1 | | much of Dimurit Country |
| Zavala County | Gene | rai rainfall of 2 1 | ncnes with is | olated totals of | up to 4 inches | sproduce | a mash moodin | g over | much of Dimmit County |
| Zavala County Countywide | 16 | 0000CST | | | 0 | 0 | 3K | 0 | Flash Flood |
| couldy what | | 0200CST | | | | | | | |
| | Gene | ral 2 inch rainfal | l with isolate | d totals near 4 i | nches caused | flash floo | oding over mu | ch of Za | avala County. |
| Zavala County 5 N Crystal City | 16 | 0010CST | | | 0 | 0 | 3K | 0 | Thunderstorm Wind |
| 5 IN Crystal City | 10 | 0010CS1 0020CST | | | U | U | ЭК | U | Thunderstorin wind |
| | Trees | s were blown dow | vn by severe | thunderstorm v | vinds. | | | | |
| Bandera County | | | | | | | | | |
| Countywide | 16 | 0100CST 0300CST | | | 0 | 0 | 10K | 0 | Flash Flood |
| | | | | | | | | | |
| Bexar County | | 0100CST | | | 0 | 0 | 30K | 0 | Flash Flood |
| Bexar County Countywide | 16 | 0300CST | | | | | | | |
| | 16 | 0300CST | | | | | | | |
| Countywide | 16 16 | 0300CST 0100CST 0230CST | | | 0 | 0 | 15K | 0 | Flash Flood |
| Countywide Comal County | | 0100CST | | | 0 0 | 0 | 15K 20K | 0 | Flash Flood Flash Flood |

| | | Time Local/ | Path Length | Path Width | Numbe Perso | | Estimate Damag | | March 1998 |
|------------------------------------|--------------------------|--|--|---------------------------------------|----------------------------------|-------------------------|---------------------------------|---------------------|--|
| location | Date | Standard | (Miles) | (Yards) | Killed | Injured | Property | e Crops | Character of Storm |
| EXAS, South Cent | <u>ral</u> | | | | | | | | |
| Medina County | | | | | | | | | |
| Countywide | 16 | 0100CST 0300CST | | | 0 | 0 | 3К | 0 | Flash Flood |
| Blanco County | | | | | | | | | |
| Countywide | 16 | 0130CST 0230CST | | | 0 | 0 | 15K | 0 | Flash Flood |
| Burnet County | | | | | | | | | |
| Countywide | 16 | 0130CST 0230CST | | | 0 | 0 | 15K | 0 | Flash Flood |
| Kerr County | | | | | | | | | |
| Countywide | 16 | 0130CST 0230CST | | | 0 | 0 | 25K | 0 | Flash Flood |
| Llano County | | 04 0 0 CCT | | | 0 | | | 0 | |
| Countywide | 16 D | 0130CST 0230CST | c · c | 11 .1 1 | 0 | 0 | 5K | 0 | Flash Flood |
| | | | | | | | | | n rainfall was in eastern Bandera an omal Counties, where 5 inches wa |
| | | | | | | | | | districts remained closed througho |
| | the da along Count | ty, as up to 70 pe Leon Creek in th | ercent of the he western county road | eir school bus ro part of Bexar Co | utes were impa ounty, along w | assable di ith aband | ue to the dama oned vehicles | ge. Seve and sev | eral high water rescues were reporte eral rescues in both Kerr and Kenda norning hours in the nine-county ar |
| Dimmit County | 01 300 | uui Cenuai Texa | | | | | | | |
| Carrizo Spgs | 16 | 0100CST 0110CST | | | 0 | 0 | 0 | 0 | Hail (0.75) |
| Medina County | | 0110001 | | | | | | | |
| Yancey | 16 | 0100CST 0110CST | | | 0 | 0 | 40K | 0 | Thunderstorm Wind |
| | A sev | ere thunderstorr | n destroyed | l two mobile hoi | nes near Yanco | ey. No ir | ijuries were rej | ported. | |
| Atascosa County | | | | | | | | | |
| Charlotte | 16 | 0140CST | | | 0 | 0 | 80K | 0 | Thunderstorm Wind |
| | A sev | 0150CST vere thunderstorm | n damaged | several small sh | eds and took re | oofs off h | omes in the C | narlotte | area |
| Bexar County | 11.50 | | ii duinaged | several sinair si | | 0010 011 1 | | unone | |
| San Antonio | 16 | 0245CST | | | 0 | 0 | 30K | 0 | Thunderstorm Wind |
| | | 0250CST | n blew out | windows and ca | used damage to | o roofs in | the Fort Sam | | n portion of San Antonio. |
| Guadalupe County | | | | | | | | | |
| Staples | 16 | 0320CST 0330CST | | | 0 | 0 | 50K | 0 | Thunderstorm Wind |
| | a trai | ler was badly da | maged by s | evere thundersto | orm winds near | Staples. | | | |
| Hays County San Marcos | 16 | 0325CST 0335CST | | | 0 | 0 | 30K | 0 | Thunderstorm Wind |
| | Wide obser | spread damage | was reporte | ed to trees and | signs in and a | round Sa | n Marcos. W | inds wo | ere estimated in excess of 60 kts |
| Frio County | | | | | | | | | |
| Pearsall | 16 | 0108CST | | | 0 | 0 | 25K | 0 | Thunderstorm Wind |
| | | | | | | | | | aused damage to 6 homes and sever |
| Den de Cara de | busine | esses in and arou | ind Pearsall | . In addition, a | 220-Ioot radio | tower wa | is blown over, | with da | mages estimated at \$15,000. |
| Burnet County 5 SE Marble Falls | 30 | 1900CST 1910CST | | | 0 | 0 | 0 | 0 | Hail (0.75) |
| | | 1/10001 | | | | | | | |
| Blanco County | | | | | | | | | |

| | | | | | | | | | | March 1009 |
|-------------------------------|--------------------|---------------------------|----------------|--------------------|----------------------------|-----------------------|--------------------|---------------|----------------------|-----------------|
| | | Time Local/ | Path Length | Path Width | Number Person | | Estimate Damag | | | March 1998 |
| Location | Date | Standard | (Miles) | (Yards) | Killed | Injured | Property | Crops | Character of Storm | |
| TEXAS, South Panh | andle | | | | | | | | | |
| Hale County | | | | | | | | | | |
| Plainview | 07 Nicke | 0135CST | | Plainview by the | 0 Police Departr | 0 nent | 0 | 0 | Hail (0.88) | |
| Swisher County | NICKC | 1-SIZC Hall was | reported in i | ianiview by the | ronee Departi | liciit. | | | | |
| Tulia | 18 | 1520CST | [| | 0 | 0 | 0 | 0 | Hail (0.88) | |
| | The N | WS co-operat | ive observer | in Tulia reported | nickel-size ha | il at 1520 | OCST. | | | |
| Swisher County | | | | | | | | | | |
| 8 E Kress | 18 A brie | 1600CST | | ed east of Kress a | 0 of 1600CST by | 0 Amarill | 0 TV station cl | 0 hase tea | Tornado (F0) | |
| TXZ029-035 | | - Lubbock | o was report | ed east of Kless a | u 1000CS1 Uy | Amarino | | lase tea | | |
| 1 AL027-033 | 27 | 1244CST |] | | 0 | 0 | 7K | 0 | High Wind (G | 51) |
| | High | winds gusted t | o 51 knots (5 | | | - | rt at 1244 CST | | igh winds blew dow | |
| | the air | port, and also | blew over si | gns and a tractor- | trailor in south | ern Hale | e County. | | | |
| <u>TEXAS, Southeast</u> | | | | | | | | | | |
| Jefferson County | | | _ | | | | | | | |
| Port Neches | 07 58 mm | 0430CST | | untsman Plant. | 0 | 0 | | | Thunderstorm | Wind (G50) |
| Jefferson County | 50 mp | in while gust re | | intomun i funt. | | | | | | |
| Port Neches | 07 | 0525CST | [| | 0 | 0 | | | Hail (0.75) | |
| Hardin County | | | | | | | | | | |
| Lumberton | 07 | 0555CST | [| | 0 | 0 | | | Hail (0.75) | |
| Jefferson County | | | | | | | | | | |
| Port Arthur | 07 Tug b | 0605CST | | gust of 58 mph. | 0 | 0 | | | Thunderstorm | Wind (G50) |
| Orange County | Tug D | oat operator re | corded willd | gust of 58 mpn. | | | | | | |
| Bridge City | 07 | 0605CST | [| | 0 | 0 | | | Hail (0.75) | |
| Jasper County | | | | | | | | | (11-1) | |
| Jasper | 07 | 1735CST | [| | 0 | 0 | | | Hail (0.75) | |
| Newton County | | | _ | | | | | | | |
| Burkeville | 07 | 1805CST | [| | 0 | 0 | | | Hail (0.75) | |
| Jasper County Mt Union | 16 | 1215CST | ۰ | | 0 | 0 | 50K | | Thunderstorm | Wind |
| MIT UIIIOII | | | | severe thunderst | v | • | | | 1 nunder stor m | willa |
| Jefferson County | | | | | | | | | | |
| Port Arthur | 16 | 1300CST | | | 0 | 0 | 100K | | Thunderstorm | |
| | Sheet 1 | metal was ripp | ed from seve | eral buildings, an | d power lines v | vere dow | ned in a one b | lock are | a on Gulfway Drive | in Port Arthur. |
| <u>TEXAS, West</u> | | | | | | | | | | |
| Reagan County | 0.4 | A1 40 CCT | | | <u>^</u> | | | | | |
| Big Lake | 06 A thu | 2148CST nderstorm drot | | ı hail at Big Lake | 0 with hail in 4 | 0 -6 inch d | rifts about 4 m | iles sou | Hail (0.75) | |
| | | | | | | | | | the area in a southw | esterly flow. |
| Glasscock County | | | | | | | | | | |
| St Lawrence | 17 | 1915CST | | | 0 | 0 | | 21 G | Hail (0.88) | |
| | | core upper le | vel trough m | oved through the | region with a | 500 mb t | emperature of | -21C at | KMAF. | |
| TEXAS, Western No | <u>ortn</u> | | | | | | | | | |
| Baylor County 1 SW Seymour | 18 | 2005CST | r | | 0 | 0 | | | Thunderstorm | Wind (C52) |
| Archer County | 10 | 2005051 | | | U | U | | | 1 nunder stor m | Willu (032) |
| 7 S Dundee | 18 | 2035CST | [| | 0 | 0 | | | Hail (0.75) | |
| Archer County | | | | | | | | | | |
| Lake Kickapoo | 18 | 2040CST | [| | 0 | 0 | | | Hail (0.88) | |
| Archer County | | | _ | | | - | | | | |
| 4 SW Archer City | 18 | 2045CST | [| | 0 | 0 | | | Hail (1.00) | |
| Archer County | 30 | 1228000 | ۲ | | Δ | A | | | Hoil (0.75) | |
| Lakeside City | 30 | 1238CST | L | | 0 | 0 | | | Hail (0.75) | |

| | | Time | Path | Path | Number | of | Estimated | | March 1998 |
|-------------------------------------|--|--|---|--|---|---|---|---|-------------------------------------|
| Location | Date | Local/ Standard | Length (Miles) | Width (Yards) | Persons Killed I | njured | Damage Property Crops | Character of Storm | |
| TEXAS, Western Nort | t <u>h</u> | | | | | | | | |
| Wichita County Wichita Falls | 30 on the | 1240CS south side of | | | 0 | 0 | | Hail (0.88) | |
| Archer County Archer City | 30 | 1300CS | Г | | 0 | 0 | | Thunderstorm | Wind (G52) |
| Archer County 2 SE Lakeside City | 30 at the | 1300CS | | 1 and FM 1954 | 0 | 0 | | Hail (0.75) | |
| Wichita County Wichita Falls | 30 | 1300CS | | 1 unu 1 ivi 1991 | 0 | 0 | | Hail (1.00) | |
| Clay County Dean | 30 on the | 1319CS north side of | | | 0 | 0 | | Hail (0.88) | |
| Clay County 2 W Deer Creek | 30 | 1340CS | Г | of FM 172 and | 0 FM 1883, on F | 0 M 1883 | | Hail (0.88) | |
| Clay County Lake Arrowhead | 30 on the | 1340CS east side of L | | ad | 0 | 0 | | Thunderstorm | Wind (G52) |
| Clay County Henrietta | 30 | 1348CST | Г | | 0 | 0 | | Hail (0.88) | |
| Clay County Henrietta | | 1348CS thunderstorn own over. | | ated at 70 mph | 0 downed large tr | 0 ees and j | 0.50K power lines. Roofs w | Thunderstorm ere damaged and a si | |
| Clay County 2 S Joy | 30 | 1402CST | Г | | 0 | 0 | | Hail (0.88) | |
| Clay County 12 S Henrietta | 30 Summa | 1408CS | | 1: | 0 | 0 | | Hail (0.75) | |
| UTAH, North, Central | Archer Wichit See pre | and Wichita a Falls. Wind eceding indivi | Counties arou l gusts were e | and midday ther stimated as high | n moved east int a as 70 mph in H | o Clay (lenrietta | ern Oklahoma and inte County by early aftern (Clay County). dditional reports. | | |
| <u>UTZ003-006>008</u> | | | oole Valley | s - Wasatch N | Iountain Vall | eys/Hu | untsville/Park City | /Heber - Wasatcl | n Mountains |
| | I80 N 03 | orth - Wasa 0200MS | | ains South O | f 180 0 | 0 | 5K | Winter Storm | |
| | - | 1000MS snow and gu d front. | | winds occurred | l in northern Ut | ah. Wir | ad gusts to 55 mph (A | American Fork) were | measured along |
| UTZ001>012-015>018- 022>023-025 | Cache Valley Moun Cliffs South Moun 05 07 Anothe | e Valley/Uta ys - Souther ntains/Wend ntains I80 N - Western 1 west Utah/ ntains/Cany 2100MS 1000MS er winter storn | n Wasatch lover/Snow orth - Was Unita Basin Cedar City onlands - S T T m wreaked ha | Front/Lehi/F ville - Wasata atch Mountai a - Castle Cou /Milford - Ce outheast Utal | Provo/Nephi - ch Mountain ns South Of I intry/Price/Ca ntral And Sou h/Blanding - I 0 uring this time. | Great Valleys 80 - W astle/Da uthwes Eastern 8 Along t | m City/Ogden Bo Salt Lake Desert /Huntsville/Park /estern Unita Mou ale/Emery - West t Mountains - Sou u Uinta Mountains 95K 5K he cold front wind g s (valleys) 20-24". | And City/Heber - Was Intains - Wasatch Central Utah/Del Itheast s - Tavaputs Plate Winter Storm | atch Plateau/Book ita - au |
| UTZ017 | 13 14 | al And Sou 2100MS 0800MS now fell at the | T T | u ntains ski resort in sou | 0 thwest Utah. | 0 | 0 | Heavy Snow | |

| | | T. | D 1 | n : | | C | D | - 4 | Man-1, 1000 |
|------------------------------------|-----------------------------|--|---|------------------------------------|--------------------------------------|----------------------|-----------------------------|--------------------------|---|
| Logation | Data | Time Local/ | Path Length | Path Width | Number Person | | Estimat Damag | ge | March 1998 |
| Location | Date | Standard | (Miles) | (Yards) | Killed | Injured | Property | Crops | Character of Storm |
| UTAH, North, Centra | | | | | | | | | |
| UTZ008 | 14 | 1300MS 1700MS | T | | 0 ehicles were swe | 5 | 50K ne road causi | ng iniurie | Avalanche |
| UTZ002>004-007>008- 019-023 | North Front | iern Wasat t/Lehi/Prov | ch Front/B o/Nephi - V nal Park - F | righam City/ | Ogden Bount ntains I80 No | iful - Sal | lt Lake An | d Toole | Valleys - Southern Wasatch South Of I80 - Utah'S Dixie Winter Storm |
| | 18 High v Wind | 0300MS winds and heat | ST avy snow occ 0 mph genera | | usts to 68 mph (| (59kts) an | d 61 mph (5 | 3kts) wer | e measured in Washington county. thern Utah with 7" reported in the |
| Sevier County 5 E Monroe | 24 | 2030MS | ST | | 0 | 0 | 0 | 0.20K | Thunderstorm Wind (G54) |
| Tooele County 4 NE Vernon | | | n winds occu | urred in two sp gway mesonet n | | 0 ing. The | 0 first was rec | 2K corded on | Thunderstorm Wind (G72) the Signal Peak RAWS while the |
| UTZ002>004-006>010- 017-019>020 | Front North | t/Lehi/Prov 1 - Wasatch | o/Nephi - V Mountain | Vasatch Mou s South Of I8 | ntain Valleys 80 - Western U | /Huntsvi Jnita Mo | ille/Park C ountains - ` | ity/Heb Wasatch | Valleys - Southern Wasatch er - Wasatch Mountains I80 n Plateau/Book Cliffs - |
| | | ral And Sou 'Kanab/Esc | | ountains - Uta | h'S Dixie An | d Zion N | lational Pa | rk - Sou | ith Central |
| | 27 30 | 1200MS 1200MS | ST ST | d northern Utah | 0 during this time | 6 causing r | 80K | 6K ffic accide | Heavy Snow ents. Alta had 57" and 10" of snow |
| UTAH, Northeast | • | | | | e highest storm | - | | | |
| <u>UTAII, Northeast</u> | | | | | | | | | |
| | | EREPORTE | D. | | | | | | |
| VERMONT, North an | | | | | | | | | |
| VTZ005 | Chitt 09 | enden 0300ES 1200ES | | | 0 | 0 | 5K | | High Wind (G52) |
| | southe | rn Quebec M | onday night. | Gusty winds re | | west slop | | | ey Monday (March 9) and then into tains of Vermont. Specifically, the |
| | | ville60 mp 557 mp | oh (52 knots) h (50 knots). | and | | | | | |
| VTZ006 | Lamo 09 | oille 0300ES 1200ES | | | 0 | 0 | 5K | | High Wind (G62) |
| | southe follow | m system ove rn Quebec M ing wind gust | r the Ohio Va onday night. was reported | Gusty winds re l in western Lar | esulted along the | | | | ey Monday (March 9) and then into ttains of Vermont. Specifically, the |
| | Pleasa | nt vaney/ | 1 mph (62 kn | iots). | | | | | |
| VTZ002 | Franl 10 | 0900ES | | | 0 | 0 | | | Flood |
| | | | round an inch | | h snow melt res inton in Franklin | | | | local roads by the Missisquoi River 10. |
| VTZ003-003-006>008- 010>012 | | | | | igton - Orang | • | • | • | |
| VIV/VI2 | 14 15 | 1000ES 0800ES | | | 0 | 0 | 100K | | Heavy Snow |

| location | | 'ime .ocal/ | Path Length | Path Width | Number Persor | | Estimated Damage | March 199 |
|--|--|---|---|---|--|---|---|--|
| | Data | tandard | (Miles) | (Yards) | | Injured | Property Crops | Character of Storm |
| ERMONT , North an | nd Centra | <u>al</u> | | | | | | |
| | An area of Canadian | f low pre maritime | es Sunday (Mar | rch 15). A com | plex pattern o | of snow a | accumulations resulte | Saturday (March 14) and then into the across Vermont, with the heavier accumulation of theavier accumulation of the heavier accumulation of th |
| | Albany | d ((] () () () () () () () () () () () () () | Windsor county Orange county) Camoille county Orleans county) Caledonia county Rutland county | inty)14.0 ()11.0 | inches inches inches inches nches inches | | | |
| VTZ004 | Essex 14 | 1100ES | T | | 0 | 0 | | Light Snow |
| | 15 An area or Canadian | 0800ES f low pre maritime | ST ssure moved act | ch 15). A comp | ew York and n | orthern N | 0 0 | Saturday (March 14) and then into t l in generally 3 to 6 inches across |
| VTZ001>002-005-009 | Grand I 14 15 | sle - Fra 1100E8 0600E8 | ST | enden - Addi | ison 0 | 0 | 10K | Light Snow |
| | An area of Canadian | f low pre maritime | ssure moved actes Sunday (Mar | ch 15). A comp | lex pattern of | snowfall | | Saturday (March 14) and then into the titions of generally 3 to 6 inches in the titions of generally 3 to 6 inches in the title of the |
| VTZ001>012 | - | sle - Fra | anklin - Orlea | | - | | • | Washington - Addison - Orang |
| | 21 22 | 1000E8 1600E8 | | | 0 | 0 | 115K | Heavy Snow |
| | Sunday ni brief pow across nor | ight (Mar er outage rthwest a | rch 22). Snow es. The snow ta nd north central | was heavy Satu pered off to sr Vermont with | urday night int now showers S around a foot | to Sunday Sunday n elsewhere | y morning with a num ight. Snow accumulate across the area. The | to the Gulf of Maine late Sunday and mber of traffic accidents reported a ations were generally 15 to 20 incl e heaviest report was 25 inches at 3 v snow accumulations from across |
| | area: | | | | | | | |
| | Albany Eden | | (Lamoille coun | /)19.2 (y)18.0 | inches | | | |
| | Albany Eden Essex Sheldon S Waitsfield | Springs 1 | (Lamoille count (Chittenden co (Franklin count (Washington co | y)18.0 unty)16.0 y)16.0 punty)14.0 | inches inches inches inches | | | |
| | Albany Eden Essex Sheldon S Waitsfield Brookfield | Springs 1 d | (Lamoille count (Chittenden co (Franklin count (Washington co (Orange count | y)18.0 y)16.0 y)16.0 punty)14.0 y)14.0 | inches inches inches inches inches | | | |
| | Albany Eden Essex Sheldon S Waitsfield Brookfield South Lin Rochester | Springs 1 d coln | (Lamoille count (Chittenden co (Franklin count (Washington co (Orange count (Addison count (Windsor count) | y)18.0 unty)16.0 y)16.0 ounty)14.0 y)14.0 ty)12.5 tty)12.0 | inches inches inches inches inches inches inches | | | |
| | Albany Eden Essex Sheldon S Waitsfield Brookfield South Lin Rochester Sutton | Springs 1 d coln | (Lamoille count (Chittenden co (Franklin count (Washington count (Addison count (Windsor count (Caledonia count | y)18.0 unty)16.0 y)16.0 ounty)14.0 y)14.0 ty)12.5 ty)12.0 | inches inches inches inches inches inches inches | | | |
| | Albany Eden Essex Sheldon S Waitsfield Brookfield South Lin Rochester | Springs 1 d coln | (Lamoille count (Chittenden co (Franklin count (Washington co (Orange count (Addison coun (Windsor court (Caledonia count (Rutland count | y)18.0 unty)16.0 y)16.0 ounty)14.0 y)14.0 ty)12.5 tty)12.0 | inches inches inches inches inches inches inches inches inches | | | |
| Franklin County Countywide | Albany Eden Essex Sheldon S Waitsfield Brookfield South Lin Rochester Sutton Rutland Island Por | Springs I d iccoln r nd 2223ES | (Lamoille count (Chittenden co (Franklin count (Washington cc (Orange count (Addison coun (Windsor count (Caledonia coun (Rutland count)) (T | y)18.0 unty)16.0 y)14.0 y)14.0 y)14.0 ty)12.5 ty)12.0 nty)12.0 y)11.5 | inches inches inches inches inches inches inches inches inches | 0 | 250K | Flood |
| | Albany Eden Essex Sheldon S Waitsfield Brookfield South Lin Rochester Sutton Rutland Island Por 28 31 Unseasona showers a the stream few house | Springs d d ccoln | (Lamoille count (Chittenden co (Franklin count (Washington co (Orange count (Addison coun (Windsor cour (Caledonia cou (Rutland count (Essex county)) ST ST m weather resu erstorms with h ers flooding we ooded in Swant | y)18.0 unty)16.0 y)16.0 ounty)14.0 y)12.5 ty)12.0 y)12.0 y)12.0 y)12.0 y)10.0 lited in dramati eavy downpour re the Missisqu | inches in | with rapid the sthe area ford to Sw | rises on rivers the a on the 30th enhand vanton and the Trout | last few days of March. In additional constraints for the runoff into the rivers. Amo River in and around Montgomery. |
| Franklin County Countywide Lamoille County Countywide | Albany Eden Essex Sheldon S Waitsfield Brookfield South Lin Rochester Sutton Rutland Island Por 28 31 Unseasona showers a the stream few house | Springs d d ccoln | (Lamoille count (Chittenden co (Franklin count (Washington co (Orange count (Addison coun (Windsor cour (Caledonia cou (Rutland count (Essex county)) ST ST m weather resu erstorms with h ers flooding we ooded in Swant d flood stage the | y)18.0 unty)16.0 y)16.0 ounty)14.0 y)12.5 ty)12.0 nty)12.0 y)12.0 y)11.5 10.0 llted in dramati eavy downpour the Missisqu on on March 28 | inches in | with rapid the sthe area ford to Sw | rises on rivers the a on the 30th enhand vanton and the Trout | Flood last few days of March. In additio cing the runoff into the rivers. Amo River in and around Montgomery. osed due to flood waters. These rive Flood |

| | | | _ | | | | | |
|------------------------------|---------------------------------------|---|---|--|---|--|--|---|
| | | Time Local/ | Path Length | Path Width | Numbe Perso | | Estimated Damage | March 199 |
| ocation | Date | Standard | (Miles) | (Yards) | Killed | Injured | Property Crops | Character of Storm |
| ERMONT, North a | | | | | | | | |
| | The La | moille River o | continued to e | exceed flood sta | ge flooding fie | elds throu | gh the end of the mo | onth. |
| Rutland County Countywide | 29 | 0700EST | | | 0 | 0 | 20K | Flood |
| Countywhee | 31 Unseas began | 2359EST sonably warm flooding early | weather resul on the 29th | and continued | e snowmelt wi | th rapid r | ises on rivers the la | st few days of March. The Otter Cre gnificant flooding was between Ruth |
| Orleans County | and Br | andon with sev | veral road clo | sures. | | | | |
| Orleans County Countywide | 29 | 2000EST | | | 0 | 0 | 10K | Flood |
| Countywhite | 31 | 2359EST | | | v | v | 101 | Flood |
| | shower stream | rs and thunder s. In particular | storms with , the Black R | heavy downpo | urs moved act oding fields the | ross the a evening | rea on the 30th fu of the 29th and cont | e last few days of March. In addition rther enhancing runoff into rivers a tinued through the end of the month. |
| Franklin County | 20 | 1742507 | | | ٥ | 0 | - 17 | II (1 5 7) |
| Sheldon | 30 | 1743EST 1744EST | | | 0 | 0 | 5K | Hail (1.75) |
| | Monda In shel | y, March 30. | A few thunde | rstorms were ac | comapnied by | strong w | vinds and large hail. | erstorms across northern Vermont punty hail around 1/2 inch was repor |
| Orloons County | III EIIO | soung rans. | | | | | | |
| Orleans County Orleans | 30 | 1810EST | | | 0 | 0 | 10K | Thunderstorm Wind |
| | Monda | y, March 30. | across south A few thunde | rstorms were a | comapnied by | strong w | inds and hail. | erstorms across northern Vermont around 610 pm. Small hail was al |
| | | | | | | | etween 1/4 and 1/2 | |
| Chittenden County | | | | | | | | |
| (Btv)Burlington Arpt | 31 | 0000EST 2359EST | | | 0 | 0 | | Record Temperature |
| | Maxim day. | um temperatu | re of 84 degr | ees recorded at | National Wea | ther Serv | ice Burlington Airp | ort Office tied record for hottest Man |
| Washington County | | | | | | | | |
| Berlin | 31 Marin | 0000EST | | and managed at | 0 Domo Montro | 0 Lion Ainme | ant (MDV) and manage | Record Temperature d for warmest March day. |
| Essex County | WIAXIII | ium temperatu | ie of 82 degre | ees recorded at | Darre-Wompe | nei Anpo | set lecol | a for warmest March day. |
| Countywide | 31 | 0250EST | | | 0 | 3 | 100K | Flood |
| | shower During north o washou | rs and thunder g the early mo of Island Pond uts between Isl | weather resu storms with I rning hours of I, Vermont and Pond and | heavy downpou of the 31st, floo at approximate d Norton, Verm | oding occurred ly 545 AM ont. A tractor | oss the and d between with 2 in trailer dro | rea on the 30th enh a Island Pond and N njuries resulting. Th ove into one washed | e last few days of March. In additionancing runoff into streams and rive Norton. A train derailled about 7 minere were a number of extensive ro- out section of road and the driver work of the end of the month. |
| Addison County | | | | | | | | |
| Countywide | 31 | 1200EST 2359EST | | | 0 | 0 | 10K | Flood |
| | | • | | | | | | st few days of March. The Otter Cre |
| | nooded | a in the verger | mes area with | i water on road | ways and field | 15.1118 110 | boaning continued thr | ough the end of the month. |
| Caledonia County | | | | | | | | |

Unseasonably warm weather resulted in dramatic snowmelt with rapid rises on rivers the last few days of March. On March 31, St. Johnsbury reached 83 degrees setting a new record high temperature for March. In addition, showers and thunderstorms with heavy downpours moved across the area on the 30th enhancing runoff into rivers. The Passumpsic River flooded between the towns of Lyndonville and Passumpsic on the 31st with water on roadways. The Passumpsic River exceeded flood stage through the end of the month.

| | S | torm I | Data ai | nd Unu | sual W | eath | er Phenor | mena |
|---|-------------------|--|-------------------------------|--------------------------|---------------------------|-----------------|---------------------------------------|--|
| Location | Date | Time Local/ Standard | Path Length (Miles) | Path Width (Yards) | Numbe Perso Killed | | Estimated Damage Property Crops | March 1998 Character of Storm |
| VERMONT, North ar | nd Cen | | (wines) | (Taius) | Kineu | Injured | Hoperty Clops | |
| Orange County | | | | | | | | |
| Northeast Portion | 31 | 2000EST 2359EST |] | | 0 | 0 | 10K | Flood |
| | shower | rs and thunder | storms with h | eavy downpou | rs moved acros | s the area | | last few days of March. In addition ing runoff into rivers. The Wells Rive nth. |
| VERMONT, South | | | | | · · · · · · · · · · · · · | | | |
| VTZ013>014 | 14 | ington - Wii 0300EST | | | 0 | 0 | | Snow |
| | | ons of the Gre | d 15, an Albe | | | | | reatest snowfall occurred in the higher eavy wet snow caused numerous traffic |
| VTZ014 | Wind 21 | 0200EST | | | 0 | 0 | | Winter Storm |
| | precip | itation fell ma | and 22, a co anly as snow | in the higher | elevations. Sn | ow totals | in Windham Count | rain across southern Vermont. The y generally ranged from 5 to 9 inche and changing to sleet and freezing rain |
| VTZ013>014 | Benni 27 31 | ington - Wii 1200EST 1900EST | | | 0 | 0 | | Excessive Heat |
| | The en | d of March w | as a period of | | | | | re off the Mid-Atlantic coast produced middle 70s to upper 80s. |
| VTZ013 | 29 | ington 1200EST | | | 0 | 0 | 10K | Flood |
| | floodi | | ring the end ong route 313 | | - | - | | ington County. Widespread low lan with a reading of 6.35 feet. Flood stag |
| VIRGIN ISLANDS | | C | | | | | | |
| | NONE | E REPORTED |). | | | | | |
| VIRGINIA, East | | | | | | | | |
| Hanover County 1.3 S Studley | | 0430EST ent microburs her barn susta | t downed sev | | 0 everely damag | 0 ed a barn. | 15K In addition, there w | Thunderstorm Wind vas minor roof damage to 2 homes and |
| Gloucester County Perrin to | 09 | 0530EST | 1.5 | 50 | 0 | 0 | 20K | Tornado (F0) |
| Severn | | do caused an ged several oth | | lamage path fi | com Perrin to S | Severn. Se | everal trees down. A | A mobile home was destroyed. Debri |
| Chesterfield County Chesterfield | 20 | 2235EST | Ų | | 0 | 0 | | Hail (0.75) |
| Prince George County New Bohemia | 20 | 2235EST | | | 0 | 0 | | Hail (0.88) |
| Westmoreland County Montross | 20 | 2330EST | | | 0 | 0 | | Hail (0.75) |
| Norfolk (C) Norfolk VIRGINIA, Extreme S | 21 | 0050EST | | | 0 | 0 | | Hail (0.75) |

NONE REPORTED.

| | | Time Local/ | Path Length | Path Width | Number Persor | | Estimated Damage | March 199 |
|------------------------------------|------------------|--------------------|--|---------------------------------------|---------------------|-----------|-----------------------|--|
| Location | Date | Standard | (Miles) | (Yards) | | Injured | Property Crops | Character of Storm |
| VIRGINIA, North | | | | | | | | |
| VAZ021-025>031- 036>042-050>057 | Gree | ne - Madisor | n - Rappah | | quier - Loud | | | - Clarke - Nelson - Albemarle - Prince William - Fairfax - |
| | 11 | 0700ES1 | _ | yivama - Kim | 0 0000 ge | 0 | 25K | Unseasonably Cold |
| | the he combin | els of a mild | ts ushered in and wet Fe and moist c | bruary, caused onditions earlier | minor damage | to fruit | crops in north cent | The unseasonably cold air, arriving or ral and northwestern Virginia. The d growth, but may have decreased the |
| | southe affect | rn and central | Shenandoal was to thin o | Valley. Howe ut the crop. Plu | ver, the generation | al consen | sus was that trees at | ch crop was affected, especially in the critical bud stage were few, and the critical bud stage and Culpep |
| | | Ų | | produced severa grees, broke its p | | 1 | 1 | ashington Dulles International Airpo |
| | | | | | | | | |
| Highland County Countywide | 20 | 1800EST | | | 0 | 0 | 10K | Flood |
| couldy wrat | 21 | 0000EST | | | | | | 11000 |
| Albemarle County | | | | | | | | |
| West Portion | 20 21 | 1900EST 0200EST | | | 0 | 0 | | Flood |
| Frederick County | | | | | | | | |
| Countywide | 20 21 | 1900EST 0900EST | | | 0 | 0 | 15K | Flood |
| Greene County | 21 | 0700101 | | | | | | |
| Countywide | 20 | 1900EST | | | 0 | 0 | 10K | Flood |
| | 21 | 0200EST | | | | | | |
| Madison County Countywide | 20 | 1900EST | • | | 0 | 0 | 10K | Flood |
| Countywhee | 20 | 0200EST | | | v | U | 101 | Flood |
| Clarke County | | | | | | | | |
| Countywide | 20 | 2000EST | | | 0 | 0 | 3.5K | Flood |
| Page County | 21 | 0600EST | | | | | | |
| Countywide | 20 | 2000EST | | | 0 | 0 | 3.5K | Flood |
| | 21 | 0600EST | | | | | | |
| Rappahannock County | | | | | | | | |
| Countywide | 20 21 | 2000EST 0600EST | | | 0 | 0 | 3.5K | Flood |
| Warren County | 21 | 0000151 | | | | | | |
| Countywide | 20 | 2000EST | • | | 0 | 0 | 3.5K | Flood |
| · | 21 | 0600EST | | | | | | |
| Fauquier County | • | | | | 0 | | | |
| Countywide | 20 21 | 2100EST 0600EST | | | 0 | 0 | 3.3K | Flood |
| Loudoun County | | 0000101 | | | | | | |
| West Portion | 20 | 2100EST | | | 0 | 0 | 10K | Flood |
| | 21 | 0900EST | | | | | | |
| Orange County | 20 | 3100507 | | | • | Δ | 2 217 | The set |
| Countywide | 20 21 | 2100EST 0600EST | | | 0 | 0 | 3.3K | Flood |
| Shenandoah County | | 0000101 | | | | | | |
| Countywide | 20 | 2100EST | | | 0 | 0 | 3.3K | Flood |
| | 21 | 0600EST | | | | | | |

| | S | torm I | Data a | nd Unu | sual Wo | eath | er Phenon | nena |
|--------------------------------|----------------------------------|---|--|--|---|---|---|---|
| | | Time Local/ | Path Length | Path Width | Number Person | | Estimated Damage | March 19 |
| Location | Date | Standard | (Miles) | (Yards) | | s Injured | Property Crops | Character of Storm |
| VIRGINIA, North | | | | | | | | |
| Culpeper County Countywide | 20 21 | 2200EST 0500EST | ſ | | 0 | 0 | 8K | Flood |
| | period dumpi Ridge. | , then off the ng storm total The rain, fal | coast by eve l rainfall of 1 lling onto sate | ening of the 21s $1/2$ to 2 inches | st. The low, w s in the piedmong a winter of v | hich en ont, with | trained deep moisture 2 to 3 inches in the | iddle Atlantic region over a 24-h from the Gulf of Mexico, aide Shenandoah Mountains and the read small stream and creek floo |
| | mostly Water | v secondary, in was reported | ncluded 23 in up to car wir | Culpeper Co, | 13 in Orange C rey (Highland G | o, 11 ea | ach in Madison and S | mud slide near Gore. Road clos henandoah Co, and 10 in Clarke essary at Snickersville Gap (Loud |
| | closed | - | 20 percent o | | | | | d; in all, portions of River Road ves were much more frequent in |
| VAZ057 | 22 - | George 0800EST ion of local ro | | lown a cliff over | 0 looking the Ra | 0 ppahann | 150K ock River in southeas | Rock Slide tern King George Co. At least 1/2 |
| | width moist | of the road wa | is removed. T | The rock slide, voice on the rock slide, would be read to be reader to the river dure the river dure the rock states and the rock states are states and the rock states are stat | which occurred | during b | enign weather, was pa | artly due to repeated heavy rains, ash flood events in 1996 likely se |
| VAZ025>031- 036>042-050>057 | Madi | | hannock - lvania - Ki | Fauquier - L | | | | elson - Albemarle - Greene William - Fairfax - Arlingto Unseasonably Warm |
| | Under temper Tempe (VAZ | neath the hig ratures were s eratures in the 028), the maxi- grees). The dr | oudy, wet co h, very warn set at IAD (central and n mum tempera | n and dry cond VAZ042); on the orthern Shenand ature of 86 degr | litions develope ne 27th, 29th, a doah Valley we ees on the 29th | ed - mo and 31s re the h was the | ore like early June th t, with readings of 8 ighest in 50 years for highest on the date si | of strong atmospheric high press han late March. Three record 4, 86, and 85 degrees, respectiv a similar time period. In Winchen nce 1948 (when the mercury read dmont, but no major unplanned b |
| VIRGINIA, Northwes | st | | | | | | | |
| VAZ003>004 | | enson - Buch 0600EST 0900EST | ſ | | 0 | 0 | | Cold |
| | | | | coldest of the e morning low r | | | | western Virginia. Afternoon l |
| VAZ003>004 | | enson - Buch 0000EST 0700EST | nanan F | U | 0 | 0 | C | Snow |
| VAZ003>004 | | accumulations enson - Bucl 1200EST | nanan | hes were comm | on. 0 | 0 | | Record Warmth |
| | 31 A prol | 2100EST ong period of | C early spring ∃ | heat caused afte ed on the 30th, | rnoon temperat | ures in t | | alleys, with 70s across the mount |
| VIRGINIA, Southwes | | 1 | | , | | | č | |
| Halifax County Scottsburg | 19 | 0540EST | r | | 0 | 0 | | Flash Flood |

Storm Data and Unusual Weather Phenomena Path Estimated March 1998 Time Number of Path Local/ Length Width Persons Damage Date Crops Standard (Miles) (Yards) Killed Injured Property Character of Storm VIRGINIA, Southwest Halifax County 0 19 0600EST 0 **Flash Flood**

Moderate to heavy rainfall resulted in flash flooding in portions of Halifax County.

Location

3 N Paces

0900EST

| N/A (70.50 | | 3 near Scottsburg an | d Route 685 | about three m | iles north | of Paces we | ere flooded by creeks | |
|---|---------------------|--------------------------------|--------------|-----------------|-----------------|--------------------|---------------------------|-----------------------------------|
| VAZ058 | Halifax 19 20 | 0830EST 1400EST | | | 0 | 0 | | Flood |
| | Heavy rai | | | | | | | e lower portion of the Dan River. |
| Grayson County | | | | | C | | | |
| Rugby | 20 Thunders | 0745EST torm winds during t | he morning h | nours on the 20 | 0)th knocke | 0 ed a tree ont | 0 to a road near Rugby | Thunderstorm Wind |
| Montgomery County | | C | e | | | | 0.7 | |
| Blacksburg Vpi Arpt | 20 | 1020EST 1110EST | | | 0 | 0 | | Flash Flood |
| Roanoke (C) | | | | | | | | |
| Southwest Portion | 20 | 1020EST 1110EST | | | 0 | 0 | 200K | Flash Flood |
| Pulaski County | | | | | | | | |
| Pulaski | 20 | 1326EST | | | 0 | 0 | | Hail (0.75) |
| Pulaski County | 20 | 1245507 | | | 0 | 0 | | |
| Pulaski | 20 | 1345EST 1515EST | | | 0 | 0 | | Flash Flood |
| Giles County | | | | | | | | |
| 5 ESE Pembroke | 20 | 1430EST 1600EST | | | 0 | 0 | | Flash Flood |
| Montgomery County | | 1000251 | | | | | | |
| 2 N Shawsville | 20 | 1445EST 1615EST | | | 0 | 0 | | Flash Flood |
| Floyd County | | | | | | | | |
| Floyd | 20 | 1455EST | | | 0 | 0 | | Hail (0.75) |
| Roanoke (C) | • • | | | | | | | |
| Roanoke | 20 | 1530EST 1535EST | | | 0 | 0 | | Hail (0.75) |
| Henry County | | | | | | | | |
| 3 WSW Sandy Level to 2 W Sandy Level | 20 | 1554EST 1556EST | | | 0 | 0 | 0 | Thunderstorm Wind |
| Henry County | | | | | | | | |
| 2 W Sandy Level to 3 NNE Sandy Level | 20 | 1556EST 1604EST | 4 | 150 | 0 | 0 | 200K | Tornado (F1) |
| Pittsylvania County | | | | | | | | |
| 3 NW Cascade to 2 W Whitmell | 20 | 1604EST 1622EST | 9 | 150 | 0 | 0 | 800K | Tornado (F1) |
| Roanoke (C) 1.5 S Roanoke | 20 | 1605EST | | | 0 | 0 | | Hail (0.75) |
| Pittsylvania County | | | | | | | | |
| 3 E West Fork | 20 | 1615EST | | | 0 | 0 | | Hail (1.75) |
| Bedford County | 20 | 1/2015/27 | | | 0 | 0 | | |
| Montvale | 20 | 1630EST 1745EST | | | 0 | 0 | | Flash Flood |
| Pittsylvania County | | | | | | | | |
| Callands | 20 | 1630EST | | | 0 | 0 | | Hail (0.75) |
| Bedford County | • | | | | <u>^</u> | <u>^</u> | | |
| 1 E Stewartsville | 20 | 1645EST 1745EST | | | 0 | 0 | | Flash Flood |
| | | | | | | | | |

| | | Time | Path | Path | Numbe | | Estimated | | March 199 |
|--------------------------------------|---------------------------------|--|---|------------------------------------|--|--|---|--|------------------------------|
| ocation | Date | Local/ Standard | Length (Miles) | Width (Yards) | Perso: Killed | ns Injured | Damage Property Crops | Character of Storm | |
| IRGINIA, Southwes | t | | | | | | | | |
| Pittsylvania County | 20 | 1445000 | | | ٥ | 0 | | | |
| 6 S Chatham Pittsylvania County | 20 | 1645EST | | | 0 | 0 | | Hail (0.75) | |
| Keeling | 20 | 1730EST | | | 0 | 0 | | Hail (1.75) | |
| Rockbridge County 2 NE Brownsburg | | 1820EST storms during ing winds. | g the late m | orning and aft | 0 ernoon hours | 0 produced a | a tornado, flash flo | Flash Flood boding, hail up to go | lfball size, ar |
| | extreme Pittsylva tornado | southeastern ania County. 7 damaged or c | Henry Coun This tornado v lestroyed sev | ty and travelle was generally f | d northeast ab from 100 to 200 parns, and outb | out 11 mile) yards wid wildings, ar | es before dissipatin le, with damage in s nd more than 60 res | out 2 miles west of g about 2 miles west ome areas up to 350 y sidences, damaged tw | of Whitmell ards wide. Th |
| | | | | | | | n and large branche est of Sandy Level. | s of trees were snapp | ed off from t |
| | miles ea | st southeast o | f Pembroke, | | 252 and 606 a | | | Sinking Creek near ro nsburg, and resulted | |
| | | | | | | | , resulting in road of a hotel was floode | closings and the floo ed. | oding of seve |
| | In Bedfe were flo | | Vest Fork Cr | reek flooded ro | ute 24 about a | mile east | of Stewartsville and | d several roads in and | l near Montva |
| | | • | | oded a road in l | | | | | |
| VAZ022-045-058>059 | 20 24 | 1800EST 1200EST | | x - Charlott | 0 | 0 te flooding | on portions of the F | Flood | |
| | The Roa | noke River ci | rested three for | eet above flood | stage at Roan | oke around | 0315 EST on the 2 | l st, almost four feet a dolph at 0600 EST on | |
| Pittsylvania County | 20 | 2045EST | | | 0 | 1 | | Lightning | |
| Chatham | Lightnir | | | | | 1 man. On th | ne west side of Chat | Lightning ham, a man who was | outside during |
| VAZ058 | Halifa: 20 23 | x 2330EST 0730EST | | | 0 | 0 | | Flood | |
| | Heavy r 18th and | ainfall on the | d in minor f | | | | | flood stage from hea ost three and a half f | |
| Salem County Salem | 21 | 0020EST 0200EST | | | 0 | 0 | | Flash Flood | |
| Rockbridge County | | | | | | | | | |
| 2 S Raphine | | 0200EST ainfall again in Rockbridge | | uring the late of | 0 evening hours | 0 on the 20th | 20K and resulted in flat | Lightning ash flooding in Salem | and damagin |
| | | ooding resulte d a home two | | | Riverland Tra | iler Park in | a Salem. A lightnin | g strike started a fire | which severe |
| | | | | | | | | | |

Heavy rainfall during the afternoon and evening hours on the 20th resulted in minor flooding on the Clinch River at Richlands. The

| | | Time Local/ | Path Length | Path Width | Number Persor | | Estin Dan | | | March 199 |
|--------------------------------|------------------|----------------------------|----------------|-------------------|------------------|------------|---------------|------------|---|------------------|
| Location | Date | Standard | (Miles) | (Yards) | | Injured | Property | Crops | Character of Storm | |
| VIRGINIA, Southw | est | | | | | | | | | |
| ÷ | | River crested | over two and | a half feet abov | ve flood stage a | at Richlar | nds at 0700 1 | EST on th | e 21st. | |
| VAZ047 | | ngham | | | | | | | | |
| | 21 23 | 0100EST | | | 0 | 0 | | | Flood | |
| | | 1400EST rainfall on the | | bination with hi | igh river levels | from hea | wy rain on t | the 18th a | nd 19th resulted in m | oderate floodin |
| | | | | | - | | - | | at Bremo Bluff arour | |
| | the 22n | | | | | | | | | |
| VAZ023 | Boteto | | - | | ٥ | 0 | | | | |
| | 21 22 | 0300EST 0400EST | | | 0 | 0 | | | Flood | |
| | | | | 1 in minor flood | ling on the Jan | nes River | at Buchana | n. The Ja | mes River crested alm | nost 2 feet abov |
| | flood st | age at Bucha | nan around 18 | 345EST on the | 21st. | | | | | |
| WASHINGTON, N | ortheast | | | | | | | | | |
| | NONE | REPORTED | | | | | | | | |
| WASHINGTON N | | KEPUKIEL |). | | | | | | | |
| WASHINGTON, NO | <u>ortnwest</u> | | | | | | | | | |
| | NONE | REPORTED |). | | | | | | | |
| WASHINGTON, So | outheast | | | | | | | | | |
| WAZ029 | | Aountain F | oothills | | | | | | | |
| | 26 | 1200PST | | | 0 | 0 | | | Heavy Snow | |
| | 27 Eine in | 0540PST | | | | |) f t | | | |
| WASHINGTON S. | | ches of show | Ten 20 milles | south of Daytor | n at an elevatio | 1 01 4000 |) leet. | | | |
| WASHINGTON, So | <u>outiiwest</u> | | | | | | | | | |
| | NONE | REPORTED |). | | | | | | | |
| WEST VIRGINIA, | | | | | | | | | | |
| WVZ048>053 | | - Mineral | - Hampshir | e - Morgan - | Berkelev - J | [effersoi | n | | | |
| | 11 | 0700EST | | e morgan | 0 | 0 | | | Unseasonably | Cold |
| | 13 | 0700EST | | | | 6.1 | | | | , |
| | | | | | | | | | he unseasonably colorastern West Virginia | |
| | | | | • • | | - | | - | growth, but may ha | |
| | resistan | ce of fruit tre | es to the hard | freeze. | | · | | | | |
| | Tompo | roturas on the | 11th wara a | norally in the y | mor toons to 1 | ower 200 | but reading | a wara u | ell down in the teens | on the 12th on |
| | 13th. | atures on the | 11th were ge | inerally in the t | ipper teens to i | ower 208 | , but reading | gs wele w | en down in the teens | on the 12th an |
| Berkeley County | | | | | | | | | | |
| Countywide | 20 | 2100EST | | | 0 | 0 | 2.5K | | Flood | |
| T M | 21 | 0900EST | | | | | | | | |
| Jefferson County Countywide | 20 | 2100EST | • • | | 0 | 0 | 2.5K | | Flood | |
| Countywhee | 20 21 | 0900EST | | | U | U | 2.31 | | Flood | |
| Grant County | | | | | | | | | | |
| Countywide | 20 | 2200EST | | | 0 | 0 | 5K | | Flood | |
| Handa Carrit | 21 | 0600EST | | | | | | | | |
| Hardy County Countywide | 20 | 2200EST | • | | 0 | 0 | | | Flood | |
| County mut | 20 21 | 0600EST | | | v | | | | Flood | |
| Pendleton County | | | | | | | | | | |
| | | | | | | | | | | |
| North Portion | 20 21 | 2200EST 0600EST | | | 0 | 0 | 10K | | Flood | |

from the morning of the 20th through the morning of the 21st, then off the coast by evening of the 21st. The low, which entrained deep moisture from the Gulf of Mexico, aided in dumping storm total rainfall of 1 to 2 inches, with perhaps higher totals along the Allegheny divide. The rain, falling onto saturated soil in a winter of wet weather, produced areas of small stream and creek flooding - as well as high standing water - which closed several roads.

| | | Time Path Path Number of Estimated | | | March 1998 | | | | | |
|---|---|--|---|---|---|---|--|--|--|--|
| Location | Date | Local/ Standard | Length (Miles) | Width (Yards) | Person Killed | ns Injured | Damag Property | ge Crops | Character of Storm | |
| WEST VIRGINIA, Ea | ast | | | · / | | 5 | | | | |
| | A muc above Cos, i Berkel who w | bankful in Gr ncluding state ey/Jefferson G vas attempting | rant Co. Else e highways 5 Co line when a to drive throu | where, a combi 1, 9, and 7 (a a man was stran | nation of 22 p ll in Jefferson ded in a van or nding water or | rimary a Co). A n a water- n Hensha | nd secondary in At least two was covered bridg w Road in sou | roads w vater re e (Sulpl thern B | al streams and creek ere closed in Berkel scues were required nur Springs Road); th erkeley Co. Some ba | ey and Jefferson ; one along the e other a woman |
| WVZ051>053 | 27 31 After Under averag | neath the high ed in the low | Γ Γ loudy, wet co n, very warm to mid 80s a | nditions, spring and dry weathe | er developed - ws were equall | more lik ly balmy | e early June the early fune the early June the early June the early the early function of the early June the ea | han late | Unseasonably of strong atmospheri March. Daytime hi 50s. The dry and b | c high pressure. gh temperatures |
| WEST VIRGINIA, NO | orth | | | | | | | | | |
| WVZ023-041 | 10 11 Bluste | • | Γ Γ winds brought | • | 0 d some blowin | 0 Ig and dri | ifting snow to | parts of | Winter Storm northern West Virgi | nia. The highest |
| WEST VIRGINIA, So | | its fell in the h st | ligher elevatio | 011S. | | | | | | |
| | | | | | | | | | | |
| WEST VIRGINIA, W | | E REPORTEI |). | | | | | | | |
| WVZ016-029>031 | | e - Gilmer - | Lewis - Ha | rrison | | | | | | |
| W V 2010 02>> 031 | 09 | 0400ES | | ii i ison | 0 | 0 | 25K | | Wind | |
| WVZ005>011- 013>020-024>040- | mobile blown and sid Wayı | homes was of down. In G ding to a home he - Cabell - | damaged. At lenville of Gil e. A few trees Mason - Ja | Ben Dale of La mer County, ro s were downed i ackson - Woo | ewis County, a of material from n Harrison Cou d - Pleasant s | t block w m mobile unty. s - Tyle | vall under cons e homes were 1 r - Lincoln - | structior ripped o Putna | ty, a common roof of a at a new water trea ff. The debris dama m - Kanawha - R ner - Lewis - Har. | tment plant was ged a nearby car oane - Wirt - |
| 046>047 | - Mcc 10 13 For m high te | lowell - Wy 0600ES 0900ES ost counties, 1 | oming - Ra | leigh - Fayett oldest weather ntains at Snows | e - Nicholas 0 of the winter. | - Webst 0 Afternoo | ter - Upshur | r - Bar | bour - Pocahonta Cold in the 20s across the degrees. At dawn on | s - Randolph e lowlands. The |
| WVZ033 | Mcdo 16 | 0000ES 0700ES | Г | | 0 | 0 | | | Snow | |
| Fayette County | Snow | accumulation | s of 2 to 4 inc | hes were measu | irea. | | | | | |
| Pax to Montgomery | 20 21 | 2000ES 0600ES | | | 0 | 0 | 12K | | Flash Flood | |
| Kanawha County Montgomery to Clendenin | 20 21 | 2000ES 0600ES | | | 0 | 0 | 15K | | Flash Flood | |
| Roane County | • | | | | ~ | ~ | | | | |
| Countywide | 20 21 | 2030ES 0500ES | | | 0 | 0 | 5K | | Flash Flood | |
| Braxton County Centralia | 20 | 2100ES 2330ES | | | 0 | 0 | 5K | | Flash Flood | |
| Webster County Camden On Gauley to Guardian | 20 | 2100ES 2330ES | | | 0 | 0 | 5K | | Flash Flood | |

| | | Time Local/ | Path Longth | Path | Number Persor | | Estimated | | March 1998 |
|---|--------------------------------|--|--|--|----------------------------------|--------------------------|--|---|--------------------------------------|
| Location | Date | Standard | Length (Miles) | Width (Yards) | | is Injured | Damage Property Crops | Character of Storm | |
| WEST VIRGINIA, W | est | | | | | | | | |
| Mcdowell County Countywide | 20 21 Rains of | 2330EST 0600EST f 1.5 to 2 inc | | separate periods, | 0 fell on a satu | 0 arated gro | 15K und over a 24 hour | Flash Flood | t of rain caused |
| | minor fl Big San in Kana | ooding on nu dy, Spring, a | umerous smal nd Reedy Cre The headw | ll streams and cre eeks in Roane Co | eeks. Many so ounty, Armstro | econdary ong and P | roads were closed. S aint Creeks in Fayette ell County rose to 12 | ome of the affected s county, plus Blue a | streams included nd Kelly Creeks |
| WVZ005>011- 013>020-024>040- 046>047 | Calhou - Mcdo 26 31 | n - Ritchie well - Wyc 1200EST 2100EST | e - Doddrid oming - Ral | ge - Mingo - I leigh - Fayette | Logan - Boo - Nicholas 0 | ne - Cla - Webst 0 | - Lincoln - Putna y - Braxton - Giln er - Upshur - Bar | ner - Lewis - Har bour - Pocahonta Record Warmt | rison - Taylor s - Randolph h |
| | 30th and the new | l 31st. After spring veget | noon tempera | | e 80s for the le | | vs, The warmest read with 70s across the n | | |
| WISCONSIN, Extrem | e South | <u>iwest</u> | | | | | | | |
| WISCONSIN, Northe | | REPORTED | | | | | | | |
| WIZ013-021>022-031- | | | | | | ge - Wa | upaca - Outagami | ie - Brown - Kewa | unee - |
| 035>040-045-048>050 | 08 | 0600CST | | alumet - Mani | towoc 0 | 0 | | Winter Storm | |
| | fell in c drifting. | entral Wisco The strong | brought heavy onsin. Waut winds blew i | oma (Waushara | co.) reported vered tree limb | 11.0 inc bs onto po | nd northeast Wiscons hes. Winds gusting ower lines, resulting i | above 30 mph cau | sed considerable |
| WIZ013-021>022- 038>040-048>050 | | | | - | | | - Winnebago - Ca | lumet - Manitow | oc |
| | 09 | 0600CST 2200CST | | | 0 | 0 | 15K | High Wind | |
| WIZ031-036>037-045 | Shawa 09 | | ge - Waupa | ca - Waushara | a 0 | 0 | | Strong Wind | |
| | Official mph in knocked | wind gusts r Oshkosh (W I some powe | eached 61 mj innebago co. | ph in Gills Rock). An unofficial and blew tree li | (Door co.), 45 l gust of 55 n | 5 mph in 0 nph was 1 | neast and central Wis Green Bay, 49 mph in reported in Appleton causing power outag | n Manitowoc (Manito (Outagamie co.). T | owoc co.) and 46 The strong winds |
| WIZ005 | Vilas 13 | 0400CST 2300CST | | | 0 | 0 | | Heavy Snow | |
| | | | | n and central Wis ake Superior. Pr | | | ut the heaviest totals inches. | fell in the far north-c | entral part of the |
| WIZ010>013-018>022- 030>031-035>036 | Oneida | | Florence - | - | - | | Menominee - Oco | onto - Door - Mar | athon - |
| | snow, b | eginning on | ter storm affe the 17th. Te | | corded in Wa | usau (Ma | A prolonged storm dro rathon co.) and 9.0 in red. | | |
| Waushara County Plainfield | 29 | 1005CST | | | 0 | 0 | | Hail (0.75) | |
| Portage County Bancroft Waushara County | 29 | 1055CST | | | 0 | 0 | | Hail (0.88) | |
| 10 W Wild Rose | 29 | 1100CST | | | 0 | 0 | | Hail (1.75) | |
| | | | | | | | | | |

| | 2 2 | | | | | cath | er r nenon | | |
|------------------------------------|--------------------|-------------------------------|-------------------|------------------|-----------------------------|-----------------|--------------------------|--------------------------------------|--------------------|
| | | Time | Path | Path | Numbe | er of | Estimated | | March 1998 |
| Location | Date | Local/ Standard | Length (Miles) | Width (Yards) | Perso: Killed | ns Injured | Damage Property Crops | Character of Storm | |
| WISCONSIN, North | neast | | | | | | | | |
| Waushara County Wautoma | 29 | 1108CST | | | 0 | 0 | | Heil (0.75) | |
| Portage County | 29 | 1106051 | | | U | U | | Hail (0.75) | |
| 8 S Amherst | 29 | 1110CST | | | 0 | 0 | | Hail (0.75) | |
| Waushara County 2 SW Wild Rose | 29 | 1110CST | | | 0 | 1 | | Hail (1.75) | |
| Waushara County West Bloomfield | 29 | 1129CST | | | 0 | 0 | | Hail (1.75) | |
| Waupaca County Fremont | 29 | 1140CST | | | 0 | 0 | | Hail (1.75) | |
| Shawano County | | | | | | | | | |
| Shawano Winneha Garata | 29 | 1149CST | | | 0 | 1 | | Lightning | |
| Winnebago County Winchester | 29 | 1149CST | | | 0 | 0 | | Hail (2.00) | |
| Winnebago County Menasha | 29 | 1200CST | | | 0 | 0 | | Hail (1.50) | |
| Outagamie County 3 W Appleton | 29 | 1203CST | | | 0 | 0 | | Hail (2.00) | |
| Calumet County | 20 | 1010000 | | | 0 | 0 | | TT 11 (1 55) | |
| Appleton Outagamie County | 29 | 1210CST | | | 0 | 0 | | Hail (1.75) | |
| 1 W Appleton to Appleton | 29 | 1210CST 1212CST | | | 0 | 0 | | Hail (2.50) | |
| Outagamie County | | | | | | | | | |
| Darboy | 29 | 1215CST | | | 0 | 0 | | Hail (1.00) | |
| Calumet County St John | 29 | 1225CST | | | 0 | 0 | | Hail (4.00) | |
| Brown County 3 E Wrightstown | 29 | 1240CST | | | 0 | 0 | | Hail (2.75) | |
| Brown County Greenleaf | 29 | 1245CST | | | 0 | 0 | | Hail (2.75) | |
| Wood County Pittsville | 29 | 1254CST | | | 0 | 0 | | Hail (0.75) | |
| Manitowoc County | | | | | | | | | |
| Cooperstown Wood County | 29 | 1305CST | | | 0 | 0 | | Hail (0.75) | |
| Vesper | 29 | 1305CST | | | 0 | 0 | | Hail (1.00) | |
| Kewaunee County | 20 | 1210057 | | | 0 | 0 | | H-9 (1 00) | |
| Norman Shawano County | 29 | 1310CST | | | 0 | 0 | | Hail (1.00) | |
| Tilleda Monominos (C) | 29 | 1425CST | | | 0 | 0 | | Hail (0.75) | |
| Menominee (C) Keshena | 29 | 1432CST | | | 0 | 0 | | Hail (0.75) | |
| Oconto County Gillett | 29 | 1452CST | | | 0 | 0 | | Hail (1.75) | |
| Oconto County | 29 | 1512CST | | | 0 | 0 | | | |
| 1 S Lena Oconto County | 47 | 1512051 | | | U | U | | Hail (1.75) | |
| 1 N Oconto | 29 | 1515CST | | | 0 | 1 | | Hail (2.75) | |
| Marinette County 6 SE Peshtigo | 29 | 1535CST | | | 0 | 0 | | Hail (0.88) | |
| Door County Baileys Harbor | 29 Two p | 1605CST prolific hail-prod | ucing thunde | erstorms droppe | 0 d hail as large | 0 e as basel | balls and grapefruits a | Hail (0.75) cross parts of centra | l and east-central |

Two prolific hail-producing thunderstorms dropped hail as large as baseballs and grapefruits across parts of central and east-central Wisconsin during the late morning and afternoon of March 29. It was the worst hailstorm ever, in terms of damage, to strike the Appleton area. A car dealership in Appleton reported damage to over 1000 cars on the lot. Insurance companies reported over 3000

| | | Time | Path | Path | Number | | Estimated | | March 1998 |
|--|--|--|--|--|---|---|--|--|--|
| Location | Date | Local/ Standard | Length (Miles) | Width (Yards) | Person Killed | s Injured | Damage Property Crops | Character of Storm | |
| WISCONSIN, North | east | | | | | - | | | |
| | vehicle property of year, | from the storr cash crop dam | ns in Waushara age was minim | a, Winnebag al. An elder | o, Outagamie, ly women nea | Brown a r Wild R | amage to more than 1 and Calumet counties Rose (Waushara co.) v Oconto (Oconto co.) w | topped \$10 million. vas injured by golfba | Due to the time all-size hail when |
| | | 70 percent of | | | | | heir back yard, tendin m him and was knoc | | |
| Lincoln County 3 W Tomahawk to 3 N Tomahawk | 29 | 1928CST 1935CST | 4.5 | 75 | 0 | 0 | 15K | Tornado (F0) | |
| Lincoln County Tomahawk | 29 | 1942CST | | | 0 | 0 | 15K | Thunderstorn | n Wind (G61) |
| Oneida County Harshaw | 29 | 1945CST | | | 0 | 0 | | Thunderstorn | n Wind (G57) |
| Lincoln County Tomahawk | 29 | 1947CST | | | 0 | 0 | | Hail (1.25) | |
| Oneida County 1 W Rhinelander to Rhinelander | 29 | 1957CST 2000CST | | | 0 | 0 | | Hail (0.88) | |
| Kinicianuci | March 2 tornado | thunderstorm j 9. Hundreds o | f trees were bl al sheds, garag | own down by es and a pole | y straight line building west | winds, ca | ado across north-cent ausing minor roof dan ahawk (Lincoln co.). | nage to several struc | tures. The weak |
| WIZ039 | Brown 31 | 1900CST 2359CST | | | 0 | 0 | | Flood | |
| | | | | | | | ove flood stage late o t no damage was repo | | ooding continued |
| WISCONSIN, North | | у Арпі. 11000 | ing was comm | ed to areas a | | licek, bu | t no damage was repo | ntea. | |
| WIZ004 | Iron | | | | | | | | |
| | 10 11 A very 1 | 0700CST 0700CST ocalized lake e | ffect snow ever | nt dropped 1 | 0 5 inches of nex | 0 v snow o | on Gurney. Surroundir | Heavy Snow | nches or less |
| WIZ003>004 | • | nd - Iron 2045CST | | n alopped 1 | 0 | 0 | | Heavy Snow | |
| | • | 0545CST ake effect snov received 8 incl | | ow belt of A | shland and Irc | on Count | ies. The largest amou | - | inches in Upson. |
| WIZ004 | Iron 14 | 1015CST | | | 0 | 0 | | Heavy Snow | |
| | Heavy | 1545CST ake effect snow | fell over north | ern Iron Co | unty with Save | on report | ing 18 inches | | |
| WISCONSIN, South | • | ake effect show | Ten över höru | | inty, with bax | JII Teport | ing to menes. | | |
| WIZ046>047-056>058 062>063-067>068 | | iette - Green | Lake - Sauk | - Columb | ia - Dodge - | Iowa - | Dane - Lafayette - | Green | |
| | 08 | 0400CST | | | 0 | 0 | | Winter Storm | |
| | The con mile and there we Interstat | nbination of he d created huge ere probably 80 e 90/94 and St | avy, wet snow drifts of 8 to 1 00 motor vehic ate Highway 5 | , and northe 5 feet in are le accidents, 1 north of M | ast winds gust eas west and s dozens of top fadison were o | ing to 40 outhwest opled pov closed at | arts of southcentral an 1 to 50 mph, reduced t of Madison (Dane C wer lines, many scho- t the height of the sto commercial activities | visibilities occasion Co.). Based on new ol closings, and ma rm during the aftern | ally to below 1/4 spaper accounts, ny road closures. loon and evening |
| | | | | | | | nd northcentral Dane lumbia counties; 9 to | | |

Specific snowfall totals include: 10.5 inches in northeast Iowa county and northcentral Dane Co.; 10.2 inches at Middleton (Dane Co.); 10 inches in northwest Lafayette, southern Sauk, and southern Columbia counties; 9 to 10 inches in the northern portions of Marquette and Green Lake counties; 7 to 8 inches in westcentral Dodge and northwest Green counties; and 7.3 inches at the Madison/Dane County Regional Airport.

| | S | torm I | Data ai | nd Unu | sual W | eath | er Pheno | mena | | | | |
|--|--|--|---|--|--|--|--|--|---|--|--|--|
| Location | Date | Time Local/ | Path Length | Path Width | Number Persor | 18 | Estimated Damage | ~ | March 1998 | | | |
| Location | Date | Standard | (Miles) | (Yards) | Killed | Injured | Property Crops | Character of Storm | | | | |
| WISCONSIN, Southea | <u>ast</u> | | | | | | | | | | | |
| | recurv | | gh northwest | Ohio. Copious | | | | t Colorado to northeast Tavailable for the storm (d | | | | |
| WIZ051>052-059>060- | Fond | Du Lac - Sl | neboygan - | Washington | - Ozaukee - J | lefferso | on - Waukesha - I | Milwaukee - Rock - Y | Walworth - | | | |
| 064>066-069>072 | Racir 08 09 | ne - Kenosha 1800CST 1000CST | ſ | | 0 | 0 | 215K | High Wind | | | | |
| | power part of of She Shebo electric winds in the many of off a b of 64 r Racine on the 34,000 closed chunks on an Racine | werful winds, gusting to 64 mph, raked parts of eastcentral and southeast Wisconsin, resulting in many cases of toppled trees and owerlines, as well as some structural damage. In addition, snow accumulations of 1 to 5 inches occurred. The high winds were art of the winter storm system which left 10 to 12 inches of snow over southwest, southcentral and central Wisconsin. In the city f Sheboygan, the winds blew over a 16 foot by 16 foot construction wall. In addition, large tree branches fell on a couple cars in heboygan. In Fond du Lac, Ozaukee, Jefferson, Waukesha, and Milwaukee counties, about 6,000 customers were without lectrical power after the high winds toppled large trees or tree branches onto power lines. In Hartford (Washington Co.), the high vinds knocked large trees branches on to a home's roof and totaled a parked car. The high winds pushed large trees onto two homes a the Lake Geneva (Walworth Co.) area. One sustained moderate damage, while the other one had minor damage. There were nany other reports of uprooted trees and downed power lines in Walworth county. In addition, the winds peeled a piece of plywood ff a building in Deavan (Walworth Co.). It was the same story in Rock county with regards to trees and powerlines. A peak gust f 64 mph was registered at the Rock County Airport (JVL). Accine and Kenosha counties appeared to suffer the wrath of the storm more so than other counties. Groaning winds (up to 58 mph n the Racine lakefront) combined with snow and sleet to bring down many trees and powerlines across the two counties. Nearly 4,000 custormers were without electrical service or heat on the 9th. Some schools, factories, and government facilities were also losed. Huge waves of 10 to 12 feet pounded the lakeshore areas, resulting in beach/shoreline erosion. Also, large rocks and ice hunks were pushed by the waves onto nearby roads. The high winds even pushed a Racine police squad car sideways several feet n an icy road. At least 400 motor vehicle accidents were reported in these two counti | | | | | | | | | | |
| WIZ051-066-071>072 | Fond 26 | | | Racine - Ker | iosha 0 | 0 | | Record Warmth | | | | |
| | The co across of 72 s of 76, Octobe | parts of south set in 1968. Th while in Keno er 13, 1997. I | f sunshine and east and east e city of Fond osha, a max of n addition, M | central Wiscons d du Lac peaked f 74 broke the d ilwaukee set a | t winds of 15 t in. Milwaukee d at 72 degrees, old record of 72 new record hig | o 30 mp Mitchel breaking 2. This v h minim | Il Field peaked at 75 g the old on of 70 se was the first time thi um of 57 at 0640 C | t in 1968. Racine also so s part of the state was in ST on the 26th, breaking he next day, March 27th | v record levels old daily record et a new record the 70s since the old record | | | |
| Dane County | | | | | | | | | | | | |
| Madison | 30 31 | 0600CST 1200CST | | | 0 | 0 | | Urban/Sml Strea | am Fld | | | |
| Green County Monticello | 30 31 | 0600CST 1200CST | | | 0 | 0 | | Urban/Sml Strea | am Fld | | | |
| Iowa County | 51 | 1200001 | L | | | | | | | | | |
| Dodgeville | 30 31 | 0600CST 1200CST | | | 0 | 0 | 10K | Urban/Sml Strea | am Fld | | | |
| Lafayette County | | | _ | | | | | | | | | |
| Calamine | 30 31 | 0600CST 1200CST | | | 0 | 0 | | Urban/Sml Strea | am Fld | | | |
| Sauk County | | | | | | | | | | | | |
| 1 NE Hillpt to 4 E Baraboo | 30 31 | 0600CST 1200CST | | | 0 | 0 | | Urban/Sml Strea | am Fld | | | |
| Sheboygan County 4 N Johnsonville to Sheboygan | 30 31 | 0600CST 1200CST | | | 0 | 0 | | Urban/Sml Strea | am Fld | | | |
| Sheboygan County 1 NW Elkhart Lake | 30 | 1810CS | ſ | | 0 | 0 | | Hail (1.00) | | | | |
| Sheboygan County 1.3 S Hingham | 30 | 1815CST | ſ | | 0 | 0 | | Hail (0.75) | | | | |

| T | Det | Time Local/ | Path Length | Path Width | Number Persor | | Estimated Damage | March 1998 |
|----------------------------|--|--|--|--|---|---|---|--|
| Location | Date | Standard | (Miles) | (Yards) | Killed | Injured | Property Crops | Character of Storm |
| WISCONSIN, Souther | <u>ast</u> | | | | | | | |
| Washington County | 20 | 1010/07 | | | 0 | 0 | | II 'I (1 00) |
| Kewaskum | over so the stor | uthcentral, so ms occurred | and thunderstoutheast, and e between 1500 | astcentral Wisc | consin, resultin CST on the 30 | g in scat th. The | tered reports of urban | Hail (1.00) a diameter) on already saturated soil and small stream flooding. Most o e when they deposited large hail at |
| | 0600CS Dodgev Dells (9 | ST on the 31st ville (Iowa Co Columbia Co. | t were about 4 .), 3.6 inches), 3.1 inches | inches north in Portage (Co | of Johnsonville olumbia Co.), 3 c (Fond du La | (Sheboy 3.5 inche ac Co.), a | ygan Co.), 3.8 inches es in Sheboygan (Sheb | als between 0600CST on the 30th t in Baraboo (Sauk Co.), 3.7 inches in boygan Co.), 3.4 inches in Wisconsin adison (Dane Co.). Totals of 2 to |
| | 30th as banks. were in Observ white v Ferndal to high Narrow in Bara Johnson and cau | thunderstorm Some homes npassable as ed rainfall rativith small hail le Rd. north of water levels 's Creek and a boo. A few nville (Sheboy using the entire | is rolled throu and one busin water filled a es were as mut in the Dodge f Calamine, ar at the junctio long the Bara motorists got rgan Co.), the e system to sh | igh the city. I ness in Montico rea streets. A tich as 1 inch ir eville area. Ris ad County H ne on of Narrows boo River from stuck in high heavy rains flo | cowlands flood ello reported m couple gravel a 10 minutes in sing waters on ear Blanchardv Creek and the n Reedsburg (S waters on Higl oded the camp then resulted in | ed east of inor floo roads n southwe the Peca ille. We Barabo auk Co.) way 15- us waste n a sewag | of Monticello (Green oding in basements. S lear Dodgeville had v est Iowa county near l tonica River in Lafay st of Rock Springs (Sa o River. Lowland fl) to east of the city of 4 west of Rock Sprin water treatment buildi ge backup problem, ar | butages during the evening of Marc Co.) as the Little Sugar river left in Some roads in Dodgeville (Iowa Co. vashouts due to the flooding water: Livingston. The ground was covere ette county resulted in the closure o auk Co.), some roads were closed du ooding was reported along much o Baraboo. Manhole covers "popped gs. At Lakeland College north o ng, submerged the pumps and motor dd classes were cancelled for one day |
| | exceed water le | ed them by 1 | to 3 feet due t d at or near fl | to the March 3 ood stage from | 0-31 heavy rai | ns on top | o of saturated soils. A | Wisconsin rose to bankfull levels of lthough flooding was rated as mino n fact, at some scattered spots, wate |
| WISCONSIN, Southw | est | | | | | | | |
| WIZ043>044-053>055- | Junea | u - Adams - | Vernon - C | Crawford - R | ichland - Gr | ant | | |
| 061 | 00 | 0 = 00.007 | | | 0 | 0 | | *** |
| | 08 | 0500CST 2100CST | | | 0 | 0 | | Winter Storm |
| | | inches of sno | w was commo | | | | as along and south of poility to near zero at tir | the Wisconsin River. The deep snow nes. |
| WIZ017 | Taylo | r | | | | | - | |
| | 18 | 0100CST 2200CST | | | 0 | 0 | | Winter Storm |
| | 6 to 8 i | | | ledford and po | ints east and so | outh. Stro | ong winds accompanyi | ing the snow created 2 to 3 foot drifts |
| Juneau County New Miner | 29 | 1018CST | | | 0 | 0 | | Hail (1.75) |
| Adams County | 20 | 1027087 | | | 0 | 0 | 01/ | Thundonstorm Wind (C52) |

| Adams County | | | | | | |
|-----------------------|----|---------|---|---|------|-------------------------|
| 3 S New Rome | 29 | 1027CST | 0 | 0 | 8K | Thunderstorm Wind (G52) |
| Adams County | | | | | | |
| New Rome | 29 | 1030CST | 0 | 0 | 100K | Hail (1.75) |
| Taylor County | | | | | | |
| Lublin | 29 | 1356CST | 0 | 0 | | Hail (0.75) |
| Taylor County | | | | | | |
| Medford | 29 | 1418CST | 0 | 0 | 15K | Hail (1.00) |
| Taylor County | | | | | | |
| Medford | 29 | 1430CST | 0 | 0 | | Hail (0.75) |
| Buffalo County | | | | | | |
| Cochrane | 29 | 1435CST | 0 | 0 | 10K | Hail (1.50) |

| | | Time | Path | Path | Numbe | | Estimated | March 1998 |
|--|---------------------|--|-------------------|------------------|--------------------|----------------|--------------------------|--|
| Location | Date | Local/ Standard | Length (Miles) | Width (Yards) | Perso Killed | ns Injured | Damage Property Crops | Character of Storm |
| WISCONSIN, Southy | vest | | | | | | | |
| La Crosse County | 20 | 1505000 | | | 0 | 0 | 1077 | II (1.00) |
| Barre Mills Trempealeau County | 29 | 1505CST | | | 0 | 0 | 10K | Hail (1.00) |
| Osseo Buffalo County | 29 | 1510CST | | | 0 | 0 | | Hail (0.75) |
| Alma | 29 | 1651CST | | | 0 | 0 | | Hail (0.75) |
| Buffalo County Nelson | 29 | 1700CST | | | 0 | 0 | | Hail (0.75) |
| Buffalo County | | | | | | | | |
| 1 S Maxville to 5 E Maxville | 29 | 1715CST 1720CST | 4 | 50 | 0 | 0 | | Tornado (F0) |
| Clark County 3 W Thorp | | 1915CST to golf ball size ille, but no injuri | | | 0 n spotters an | 0 nd law en | forcement officials. A | Hail (0.75) A tornado touched down briefly near |
| Grant County | 20 | | | | 0 | 0 | | |
| Glenhaven | 30 | 1407CST | | | 0 | 0 | | Hail (0.75) |
| Grant County 5 S Lancaster | 30 | 1520CST | | | 0 | 0 | | Hail (1.75) |
| Grant County | | | | | | | | |
| 3 W Livingston | 30 | 1842CST | | | 0 | 0 | | Hail (0.75) |
| Grant County Muscoda | 30 | 1745CST 1955CST | | | 0 | 0 | 2K | Urban/Sml Stream Fld |
| Richland County | | 1700051 | | | | | | |
| Richland Center to 10 S Richland Center | 30 3 inch | 1745CST 1955CST les of rain in a d | couple of ho | urs caused mu | 0 d slides and | 0 small str | reams to overflow the | Urban/Sml Stream Fld ir banks. A charter bus carrying the |
| | Unive | rsity of Wisconsi | in Band susta | ined minor dar | nage when it | hit a muo | d slide on Highway 60 | near Muscoda. |
| WISCONSIN, West | | | | | | | | |
| Pierce County Ellsworth | 29 Hail c | 1540CST overed the grour | nd. | | 0 | 0 | | Hail (0.75) |
| St. Croix County | | 8 | | | | | | |
| Woodville | 29 | 1604CST | | | 0 | 0 | | Hail (0.75) |
| Dunn County | • | 1 (20 CGT | | | 0 | 0 | | |
| Boyceville Pepin County | 29 | 1630CST | | | 0 | 0 | | Hail (1.00) |
| Durand Eau Claire County | 29 | 1723CST | | | 0 | 0 | | Hail (0.75) |
| 10 SW Eau Claire | 29 | 1734CST | | | 0 | 0 | | Hail (0.75) |
| Pepin County 12 E Durand | 29 Barn l | 1735CST blown down. Es | timated wind | speed. | 0 | 0 | | Thunderstorm Wind (G50) |
| Eau Claire County Eau Claire | 29 | 1753CST | | speed | 0 | 0 | | Hail (1.75) |
| Pierce County 13 E Ellsworth | 29 | 1755CST | | | 0 | 0 | | Hail (1.00) |
| Chippewa County Chippewa Falls | 29 | 1800CST | | | 0 | 0 | | Hail (0.75) |
| Chippewa County | | | | | | | | |
| Chippewa Falls | 29 Autor | 1805CST nobiles damaged | | | 0 | 0 | | Hail (1.75) |
| Chippewa County 2 SE Chippewa Falls | 29 Motel | 1805CST fire caused by li | ghtning. | | 0 | 0 | | Lightning |

| | St | torm 1 | Data ar | nd Unu | sual We | eath | er Pheno | mena | |
|--|--------------------------------|---------------------------------|---|-------------------------------------|---------------------------------|----------------|---------------------------------------|--|-------------------|
| | D | Time Local/ | Path Length | Path Width | Number Persons | | Estimated Damage | | March 1998 |
| Location | Date | Standard | (Miles) | (Yards) | Killed I | njured | Property Crops | Character of Storm | |
| WISCONSIN, West | | | | | | | | | |
| Chippewa County Stanley | 29 | 1805CS | Г | | 0 | 0 | | Hail (0.75) | |
| Chippewa County Jim Falls | 29 | 1810CS | | | 0 | 0 | | Hail (1.25) | |
| WYOMING, Central | and W | | | | | | | | |
| WYZ005-009-026 | 03 04 Heavy s the Big | 2200MS 1600MS snow and co | T T nsiderable blov ains. Schools o | ving and driftin | 0 ng over central a | 0 and south | | s Winter Storm Big Horn Basin and w in parts of the Basin | western slopes o |
| WYZ008>009- | Owl C | reek Mou | ntains - Sout | h Big Horn | Basin - Lande | er Foot | hills - Wind Riv | er Basin - Green M | /Iountains - |
| 012>014-022>023 | Rock \$ 17 18 | Springs/Gr 1600MS 1500MS | | Red Desert | 0 | 0 | | Winter Storm | L |
| | Heavy s Fremon outages | snow, consid t, Hot Spring | erable blowing and Sweetw of Fremont Co | ater Counties. I | First time some s | schools h | ad been closed for | ng. Schools, businesse many years in Fremo ater County, with I-8 | nt County. Powe |
| WYZ004-008>009- 011>013-015>016-018 | | | n - Natrona | | South Big Ho - Kemmerer 0 | | in - Wind River | Mtns East - Land Heavy Snow | er Foothills - |
| <u>WYOMING, North C</u> WYZ099 | <u>entral</u> Sherid 28 | REPORTEI | ls T | | 0 | 0 | | Heavy Snow | |
| | | | ing storm dun | nped heavy sno orts of 4 to 6 in | | neridan F | Foothills from the r | norning of March 28 | to the evening of |
| WYOMING, Northea | <u>st</u> | | | | | | | | |
| WYZ054-056>057 | Gillett 04 | e - Moorcı 0400MS 1600MS | Т | ing Black Hi | lls 0 | 0 | | Heavy Snow | |
| | | y snow even | t occurred duri | ng the early m Wyoming Blacl | 0 | moon ho | urs resulting in sno | w amounts of five to | eight inches ove |
| WYZ054>058 | Gillett 28 29 | e - South (1000MS 1800MS | Т | /loorcroft - V | Vyoming Blac 0 | ck Hills 0 | - Weston | Winter Storm | L |
| | | | | | | | vet snow over north s were common. | east Wyoming. The l | neaviest snow fel |
| WYOMING, Southea | | nuar campoe | n county, arou | nu onneue wik | ie 12 men aceu | mulation | s were common. | | |
| WYZ059>063-067 | | rse - Niobi 0500MS | | west Carbon | - North Carl 0 | bon - Si 19 | nowy Range - Pl 65K 0 | atte Winter Storm | L |
| | and Ha | nna, and 8 bile accident | cted parts of s inches of snov | wfall was repo | rted across Plat | te county | . The Wyoming | reported in Rawlins, Highway Patrol recei without injuries betw | ved 19 reports of |
| WYZ061-063-066 | South 18 | west Carbo 0600MS 1600MS | Т | Range - Lara | mie Range 0 | 0 | 0 0 | Winter Storm | L |

| | | Time Local/ | Path Length | Path Width | | ber of sons | Estim Dam | | | March 1998 |
|----------------------------|-------|----------------|----------------|-----------------------------------|--------|----------------|--------------|----------|---------------------|-----------------|
| Location | Date | Standard | (Miles) | (Yards) | Killed | Injured | Property | Crops | Character of Storm | |
| | | | | | | | | | | |
| WYOMING, Southea | ist | | | | | | | | | |
| <u>w y Owiing, Southea</u> | A win | | | southeast mour rea recieved 13 | | | Range and | the Lara | mie range recieving | 8 inches of new |

| ST | ORM DAMAGE CATEGORIES | REFERENCE NOTES | |
|----|-------------------------------|------------------------|---|
| 1 | Less than \$50 | 0 / Blank | None reported. |
| 2 | \$50 to \$500 | * | Miles instead of yards. |
| 3 | \$500 to \$5,000 | ** | Yards instead of miles. |
| 4 | \$5,000 to \$50,000 | @ | Includes heavy sleet storm. |
| 5 | \$50,000 to \$500,000 | # | Freezing drizzle and freezing |
| 6 | \$500,000 to \$5 Million | | rain, commonly known as glaze. |
| 7 | \$5 Million to \$50 Million | = | Report incomplete. |
| 8 | \$50 Million to \$500 Million | = = | Report not received. |
| 9 | \$500 Million to \$5 Billion | o/c | Indicates Crop Damage amount is included in the value give for property damage. |

When reports are not received or are incomplete, the Storm Summary National Death and Injury totals may also be incomplete.

Definition of Fujita Tornado Scale (F Scale)

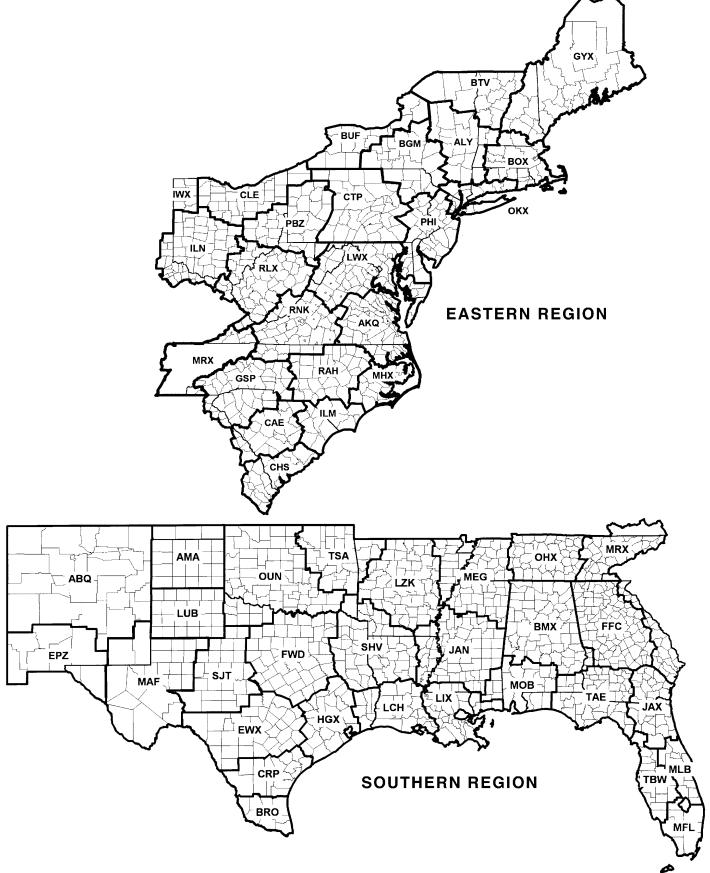
- (F0) Gale tornado (40-72 mph) : Light damage; Some damage to chimneys; break branches off trees; push over shallow-rooted trees; signs and billboards damaged.
- (F1) Moderate tornado (73-112 mph): Moderate damage; The lower limit (73 mph) is the beginning of hurricane wind speed; peel surface off roofs; mobile homes pushed off foundations or overturned; moving autos pushed off the roads.
- (F2) Significant tornado (113-157 mph): Considerable damage; Roofs torn from frame houses; mobile homes demolished; boxcars pushed over; large trees snapped or uprooted; light-object missiles generated.
- (F3) Severe tornado (158-206 mph): Severe damage; Roofs and some walls torn from well-constructed houses; trains overturned; most trees in forest uprooted; heavy cars lifted off ground and thrown.
- (F4) Devastating tornado (207-260 mph): Devastating damage; Well-constructed houses leveled; structure with weak foundations blown off some distance; cars thrown and large missiles generated.
- (F5) Incredible tornado (261-318 mph): Incredible damage; Strong frame houses lifted from foundation and carried considerable distance to disintegrate; automobile-sized missiles fly through the air in excess of 100 meters; trees debarked; incredible phenomena will occur.
- (F6-F12) (319 mph to Mach 1, the speed of sound): The maximum wind speeds of tornadoes are not expected to reach the F6 wind speeds.

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

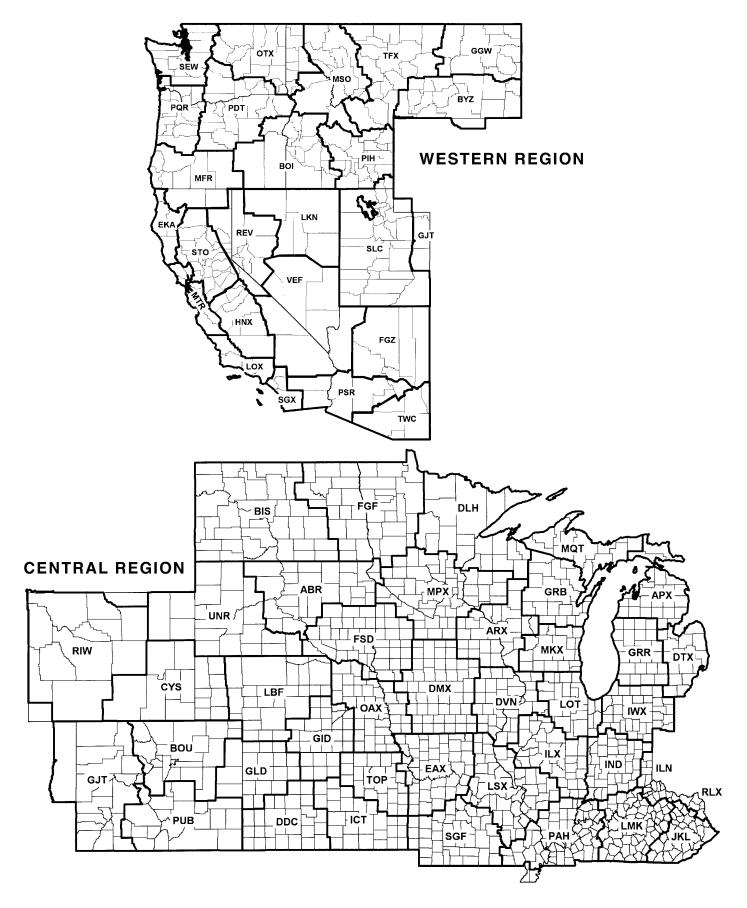
From J. Atmos. Sci., August 1981, p. 1517-1519



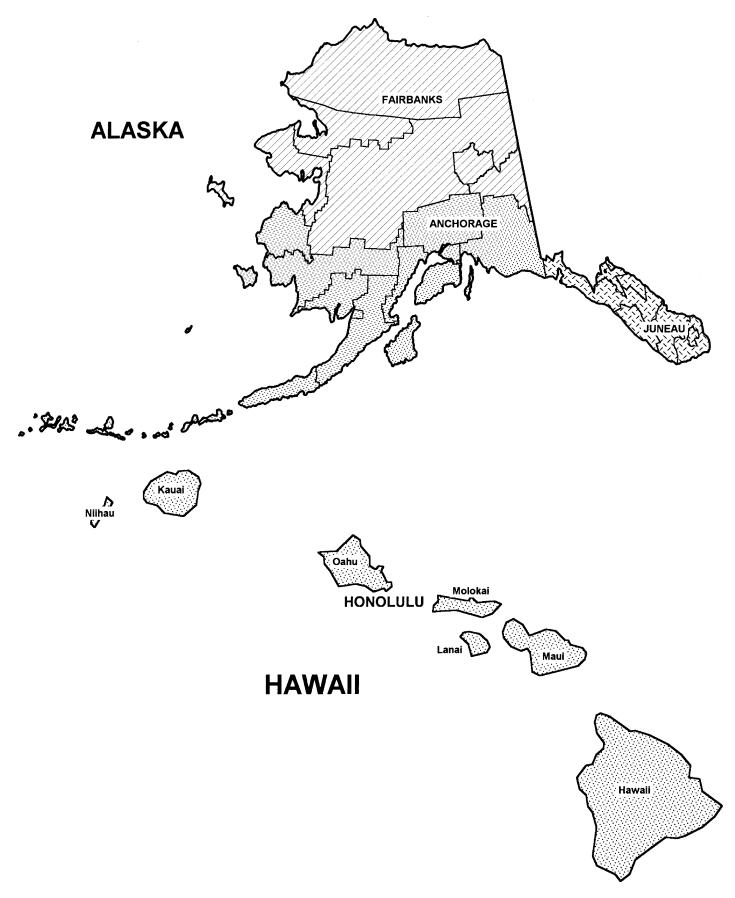
COUNTY WARNING & FORECAST AREAS - MODERNIZED NWS



COUNTY WARNING & FORECAST AREAS - MODERNIZED NWS



MODERNIZED COUNTY WARNING AREAS



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