

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>ALABAMA, North Central</u>									
ALZ006									
		03 1600CST			0	0	0	0	Excessive Heat
		The afternoon high temperature measured at the Huntsville International Airport was 95 degrees. This reading tied the previous record high temperature last set in 1998.							
Talladega County									
5 S Talladega		04 1219CST			0	0	5K	0	Hail(1.75)
		Golf ball size hail was reported in the Brecon community, just south of Talladega.							
St. Clair County									
Ragland		04 1301CST			0	0	0	0	Hail(1.00)
		Quarter size hail was observed in and around the city of Ragland.							
St. Clair County									
Ragland		04 1301CST			0	0	3K	0	Thunderstorm Wind (G55)
		Several trees had their tops snapped off along SR 144 south of Ragland. A few of the downed trees snapped power lines.							
Tallapoosa County									
Newsite		04 1314CST			0	0	2K	0	Hail(1.75)
Tallapoosa County									
Newsite		04 1314CST			0	0	2K	0	Thunderstorm Wind (G50)
Tallapoosa County									
Alexander City		04 1320CST			0	0	0	0	Hail(1.00)
		Golf ball size hail was reported and trees were blown down on SR 22 near New Site. Quarter size hail was observed in Alexander City.							
Cherokee County									
4 S Centre		04 1335CST			0	0	0	0	Hail(0.75)
		Penny size hail was reported at the Tennala community about 4 miles south of Centre.							
Clay County									
13 N Ashland		04 1400CST			0	1	3K	0	Lightning
		A seven year old girl was struck by lightning inside the Cheaha State Park grounds. She suffered minor injuries. One home was also struck by lightning near the park and minor damage occurred.							
Calhoun County									
Anniston		04 1410CST 1420CST			0	0	0	0	Hail(1.00)
		Nickel to quarter size hail was reported in Saks and in Oxford. Dime size hail was observed in Weaver.							
Tallapoosa County									
2 NW Dadeville		04 1415CST 1420CST			0	0	0	0	Hail(0.88)
		Nickel size hail was reported at the Horseshoe Bend Military Park and around the Dadeville area.							
Etowah County									
Gadsden		04 1415CST			0	1	5K	0	Thunderstorm Wind (G55)
		Numerous trees were blown down in and around Gadsden. One falling tree caused unspecified injuries to a resident.							
Randolph County									
Roanoke		04 1450CST			0	0	0	0	Hail(0.75)
Randolph County									
Roanoke		04 1450CST			0	0	2K	0	Thunderstorm Wind (G50)
		Dime size hail fell in Roanoke. One large tree was blown down and temporarily blocked Commerce Street.							
Cullman County									
Fairview		04 1500CST 1510CST			0	0	0	0	Hail(0.75)
		Dime size hail was observed in several locations in Cullman County. These locations include Hollypond, Fairview, and Baileyton. A few trees were also blown down with these storms.							
Jackson County									
Scottsboro		04 1520CST			0	0	0	0	Hail(1.00)
Jackson County									
Scottsboro		04 1520CST			0	0	4K	0	Thunderstorm Wind (G50)

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ALABAMA, North Central

Quarter size hail was observed along SR 35 near Scottsboro. Trees and power lines were blown down on Bingham Street and on Center Street.

Barbour County

Clayton	04	1525CST			0	0	8K	0	Thunderstorm Wind (G60) Trees were knocked down along SR 51 around mile marker 58. Some of the fallen trees landed on automobiles. No injuries were reported.
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Lee County

Salem	04	1525CST 1530CST			0	0	0	0	Hail(1.00) Quarter size hail was reported in and around Salem.
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ALZ006

Madison

	04	1600CST			0	0	0	0	Excessive Heat The afternoon high temperature observed at the Huntsville International Airport was 96 degrees. This reading tied the previous record high temperature last set in 1985.
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Montgomery County

Montgomery	04	1610CST			0	0	10K	0	Thunderstorm Wind (G50) Several trees and power lines were blown down in and around the city of Montgomery. Lightning also caused some damage by striking several trees and knocking down power lines. The lightning caused over 5000 customers to lose power temporarily. Some of the falling trees landed on automobiles. No injuries were reported.
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Madison County

Huntsville	04	1635CST			0	0	0	0	Hail(0.75)
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Madison County

Huntsville	04	1635CST			0	0	2K	0	Thunderstorm Wind (G50) A few trees were blown down and one blocked the roadway in north Huntsville. Dime size hail was also observed with this storm.
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Elmore County

Wetumpka	04	1659CST			0	0	0	0	Hail(0.75) Dime size hail was reported just west of Wetumpka on SR 14.
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Hale County

Greensboro	04	1835CST			0	0	3K	0	Thunderstorm Wind (G55) Trees were blown down west of Greensboro on CR 21.
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Tuscaloosa County

Abernant	04	1930CST			0	0	40K	0	Lightning A probable lightning strike burst a home into flames. The fire completely destroyed the home near Abernant. No injuries were reported.
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Tallapoosa County

Dadeville	05	1538CST 1542CST			0	0	0	0	Hail(0.88)
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Tallapoosa County

Dadeville	05	1538CST 1542CST			0	0	3K	0	Thunderstorm Wind (G50) Nickel size hail was reported in and around Dadeville. Several trees were also blown down during this storm.
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Jefferson County

Pinson	06	1415CST			0	0	2K	0	Thunderstorm Wind (G55) A few trees and power lines were blown down on Jackson Road in Pinson.
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Walker County

Jasper	13	1400CST			0	0	8K	0	Thunderstorm Wind (G55) Numerous trees and signs were blown down in and around Jasper. Many of the trees temporarily blocked roadways.
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Madison County

Huntsville	13	1520CST			0	0	8K	0	Thunderstorm Wind (G55) Numerous trees and power lines were knocked down across the northern parts of Huntsville. Additional trees fell down in Chase.
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St. Clair County

Margaret	13	1545CST			0	0	5K	0	Thunderstorm Wind (G50) Numerous trees were blown down in and around Margaret.
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<u>ALABAMA, North Central</u>									
Talladega County									
Sycamore	18	1617CST			0	0	2K	0	Thunderstorm Wind (G55) Trees and power lines were blown down in and around the city of Sycamore.
Montgomery County									
Montgomery	18	1802CST			1	2	0	0	Lightning An 8-year-old girl, her mother, and another woman were struck by lightning on the east side of Montgomery near the intersection of Vaughn Road and Eastern Blvd. The victims had just left a restaurant according to newspaper reports and were about to get in their car when the lightning strike occurred. Rain was not occurring at the time. The 8-year-old went into cardiac arrest, but EMS people were able to resuscitate her and transport her to the hospital. The 44-year-old mother of the child was knocked unconscious and was also taken to a local hospital. The third person, a 33-year-old woman, was treated for minor injuries F8OU
Montgomery County									
Montgomery	18	1805CST			0	0	60K	0	Lightning Lightning struck a building in Montgomery that housed four radio stations. Significant electric damage occurred, and the stations were off the air for several hours. No injuries were reported.
Montgomery County									
Montgomery	18	1814CST			0	1	1K	0	Lightning A woman was apparently struck by lightning in her home on Amesberg Drive while cooking on an electric stove.
Montgomery County									
Montgomery	18	1814CST			0	1	1K	0	Lightning A woman was struck by lightning while cooking on her electric range top. She sustained minor injuries.
Tallapoosa County									
Camp Hill	18	1929CST			0	0	2K	0	Thunderstorm Wind (G50) Trees and power lines were blown down near Camp Hill.
Lamar County									
Vernon	24	1400CST			0	0	60K	0	Thunderstorm Wind (G60) Several trees were blown down in and around Vernon. Some of the trees landed on buildings causing damage. A few signs were also blown down and one landed on an automobile. A church steeple was knocked off the First United Methodist Church and a pavilion was destroyed. No injuries were reported.
Marshall County									
Grant	25	1000CST			0	0	25K	0	Lightning Lightning struck a home in Kenamer Cove and started a fire on the third floor. The fire was confined to the top of the structure but caused major damage. No injuries were reported.
Marion County									
7 NE Hamilton	26	0525CST			3	4	40K	0	Lightning Lightning was believed to be responsible for a fire in a mobile home in the Shiloh community between Hamilton and Hackleburg of SR 187. Three children were killed and two adults and two other children were injured in the fire. The State Fire Marshall said that preliminary investigation indicated the fire started in the general area of the living room around the television. A burn at the base of the utility box outside the home indicated that lightning could have been involved in starting the fire. Time of the event was estimated. F7MH, M15MH, M9MH
Etowah County									
Hokes Bluff	26	1310CST			0	0	3K	0	Thunderstorm Wind (G50) Several trees were knocked down on Rocky Ford Road in Hokes Bluff.
Sumter County									
York	27	1338CST			0	0	2K	0	Thunderstorm Wind (G50) A few trees and power lines were blown down near York. One tree fell across SR 17 temporarily blocking traffic.
Tuscaloosa County									
Fosters	27	1520CST			0	0	3K	0	Thunderstorm Wind (G50) Several trees and power lines were knocked down on Gainesville Road in the Fosters community.
Jefferson County									
Hoover	27	1603CST			0	0	0	0	Hail(0.88) Nickel size hail was reported at the Galleria shopping mall.

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					Killed	Injured	Property	Crops	
<u>ALABAMA, North Central</u>									
Jefferson County									
Vestavia Hills	27	1610CST			0	0	2K	0	Thunderstorm Wind (G50)
A few trees and power lines were blown down on Shades Crest Road.									
Shelby County									
Chelsea	27	1610CST			0	0	3K	0	Thunderstorm Wind (G60)
Large trees and power lines were blown down near the intersection of SR 25 and CR 55.									
Clay County									
5 W Millerville	27	1620CST			0	0	4K	0	Thunderstorm Wind (G55)
Numerous large trees were knocked down along CR 7 west of Millerville.									
St. Clair County									
Countywide	27	1640CST 1655CST			0	0	18K	0	Thunderstorm Wind (G55)
Numerous trees and power lines were blown down across the county. One tree fell on a mobile home in Pell City causing significant damage. Other areas where trees fell include Wattsville, Pinedale, and Riverside.									
Talladega County									
Lincoln	27	1700CST			0	0	11K	0	Thunderstorm Wind (G55)
A large tree fell on house causing moderate damage. No injuries were reported.									
Cleburne County									
Hollis Xrds	27	1715CST 1740CST			0	0	3K	0	Thunderstorm Wind (G55)
Several trees and power lines were blown down in Hollis Crossroads on CR 10, in and around Micaville, and in Heflin.									
Winston County									
Haleyville to Double Spgs	30	1535CST 1540CST			0	0	0	0	Hail(0.75)
Dime size hail was observed just south of Haleyville and also just northwest of Double Springs.									
Morgan County									
Decatur	30	1600CST			0	0	0	0	Hail(0.75)
Dime size hail was reported in Massey.									
Morgan County									
Decatur	30	1600CST			0	0	20K	0	Lightning
Two adjacent homes were struck by lightning in Decatur. Fires were ignited in both homes and each sustained damage.									
<u>ALABAMA, Southeast</u>									
Dale County									
Ozark	03	2145EST			0	0	1K		Thunderstorm Wind
Downed trees in Ozark. Report received from NWSFO Birmingham via the Alabama EMA.									
Houston County									
3 E Cottonwood	04	1457EST			0	0			Hail(0.75)
Dime size hail reported by the Houston County EMA.									
Houston County									
Cottonwood	04	1500EST			0	1			Lightning
A woman was injured when she was struck by lightning. Reported by the Houston County EMA.									
Henry County									
2 N Headland	04	1530EST			0	0	1K		Thunderstorm Wind
A few downed power lines reported by the Henry County Sheriff.									
Henry County									
Newville	14	1450EST			0	0	2.5K		Thunderstorm Wind
Some downed power lines reported by Newville Police.									
Houston County									
Dothan	14	1455EST			0	0	5K		Thunderstorm Wind
A large tree fell on a vehicle at a trailer park. Some trees were knocked down across the city. Reported by the Houston County Sheriff.									

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<u>ALABAMA, Southeast</u>									
Houston County 2 SE Ashford	14	1500EST			0	0	15K		Thunderstorm Wind Several trees and power lines were knocked down. A storage shed was destroyed. A large tree split and fell on a house. Reported by the Houston County EMA.
Houston County Pansey	14	1515EST 1530EST			0	0			Hail(1.75) Golfball size hail reported by a Dothan TV meteorologist.
Houston County Pansey	14	1515EST			0	0	0.50K		Thunderstorm Wind A few downed trees reported by a Dothan TV meteorologist.
Houston County Dothan	14	1455EST			0	0	25K		Lightning Lightning sparked a house fire. Reported by the Houston County EMA.
<u>ALABAMA, Southwest</u>									
Covington County Andalusia to River Falls	05	1405CST 1410CST			0	0	10K		Thunderstorm Wind (G50) A few trees and power lines were blown down by high winds from a thunderstorm between Andalusia and River Falls.
Conecuh County 6 NE Castleberry	14	1310CST 1312CST			0	0	8K		Thunderstorm Wind (G50) Trees were blown down by high winds from a thunderstorm near Nymph.
Clarke County Bashi	19	1345CST 1347CST			0	0			Hail(0.88)
Covington County Andalusia	19	1405CST 1408CST			0	0	8K		Thunderstorm Wind (G50) Trees were blown down just south of Andalusia by high winds from a thunderstorm. Dime size hail was also reported. Nickel size hail was reported from the same storm near Carolina a few minutes later.
Conecuh County Paul	19	1410CST 1412CST			0	0			Hail(0.88)
Washington County Chatom	19	1500CST 1502CST			0	0			Hail(0.88)
Baldwin County Ft Morgan	28	0945CST			1	0			Rip Currents A male vacationing with his family drowned in rough surf near Fort Morgan. The man was swimming in the rough water and disappeared. Paramedics were able to get him ashore but the man died. M35IW
Crenshaw County 5 S Highland Home	28	1510CST 1512CST			0	0			Hail(1.00)
Mobile County (Mob)Mobile Bates Fl	30	1630CST			0	0	85K		Lightning The Mobile National Weather Service office suffered a lightning strike that knocked out several pieces of electronic equipment. All of the phone lines were temporarily knocked off. The radar also suffered damage and was off for a couple of days.

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ALASKA, Northern

Middle Tanana Valley

Two Rivers	01 10	0000AST 1600AST			0	0	20K		Wild/Forest Fire
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Event continued from May. A human-caused wildfire near Chena Hot Springs Road burned 4 cabins (estimated \$5,000 a piece) and threatened to consume Angel Creek Lodge (at 50 mile Chena Hot Springs Road). The fire closed Chena Hot Springs Road from the 25th through the 3rd of June, effectively closing Chena Hot Springs Resort to tourism during the time. Reported loss to the Resort was estimated at \$50,000, and would have been much greater had not the Resort been used as a fire-fighting staging area by fire agencies.

ALASKA, Southeast

NONE REPORTED.

ALASKA, Southern

Kuskokwim Valley

15 SW Mcgrath to 15 NE Mcgrath	01 30	0000AST 0000AST			0	0			Wild/Forest Fire
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The man-caused fire, dubbed the Hohalitna fire, which began May 22 had burned over 150,000 acres by the end of June. In total, the fire cost \$3 million to fight.

Bristol Bay

60 NE Pilot Point to 35 NE Pilot Point	25	1300AST 1400AST			0	0			Funnel Cloud
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Funnel clouds were reported by a Fish and Wildlife pilot 6 miles northwest of Blue Mountain. Additionally, waterspout reports were received by the King Salmon Weather Service Office by mariners in Bristol Bay. National Weather Service radar at King Salmon confirmed an area of strong storms in the area where the funnel clouds were reported.

AMERICAN SAMOA

Tutuila

Countywide	18 28	0600SST 1500SST			0	0			Rip Currents
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High surf returned to south shores of American Samoa from the 18th to the 28th of June. These higher than normal surf were caused by a heavy southerly swell generated by a slow moving low pressure area which persisted far south of Samoa along 45 Degree, South longitude and a stationary ridge of high pressure which persisted along 30 south for more than a week. The high surf created strong rip currents especially during high tides at beaches from Nuuli to Tula.

ARIZONA, Central and Northeast

AZZ015

Western Mogollon Rim

	01 30	0000MST 2300MST			0	0			Drought
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The drought continued through June with no precipitation falling in Flagstaff. The normal precipitation for June is 0.43 inches. Since January first, only 1.22 inches of precipitation fell (12% of normal) which is 8.66 inches below the average of 9.88 inches. Since September 1st, 4.71 inches of precipitation fell (27% of normal) which is 12.91 inches below the normal of 17.62 inches. This is the driest September to June in recorded history. Stage III water restrictions for Flagstaff were in place. This prohibited washing cars and watering lawns between 8AM and 4PM and only every other day. The only surface water supply for Flagstaff, Lake Mary, was so low that it was only to be used in an event of an emergency.

Navajo County

Cibecue to Linden	18 30	1615MST 2359MST			0	0			Wild/Forest Fire
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The Rodeo fire was human caused 10 miles northeast of Cibecue on the lower slopes of the Mogollon Rim. The Chediski Fire was human caused two days later about 12 miles to the west of the Rodeo Fire. Before merging, the Rodeo Fire burned 199,300 acres

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ARIZONA, Central and Northeast

and the Chediski Fire burned 93,990 acres. The Chediski-Rodeo Complex burned 468,638 acres before it was contained at 600 PM on Saturday July 6th. The fire also burned 426 structures and homes. Over 30,000 people were evacuated from Show Low, Summer Pines, Pinetop-Lakeside, Linden, Pinedale, Clay Springs, McNary, Hon-Dah, Forestdale, Heber, Overgaard, Forest Lakes, and Aripine during the peak of the fire. Four Type I Incident Command Teams were assigned to the fire with close to 4,500 fire fighting personnel. Resources assigned to the Rodeo-Chediski Fire included 18 Type I Hot Shot crews and 77 Type II crews, 30 helicopters, 245 engines, 90 bull dozers, 92 water tenders, and 11 air tankers. During the fire, all roads in the area were closed to the public including: State Road 260, US 60, Highway 377 and Highway 277. Flame lengths were observed in the 200 to 300 foot range during some of the major uphill runs.

ARIZONA, Northwest

NONE REPORTED.

ARIZONA, South

Boone County

15 SE Mt Lemmon to Mt Lemmon	01 10	0000MST 2000MST			0	0	100K	0	Wild/Forest Fire
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The Bullock wildfire started in Bullock Canyon in the Catalina Mountains, part of the Coronado National Forest. The fire started on May 21st and continued through June 10th. It was suspected to be human induced. The fire burned 30,563 acres along with 2 cabins and several outbuildings. The residents of Summerhaven were evacuated on May 25th and Catalina Highway closed on May 22nd. The fire also threatened Mt. Bigelow which had several telecommunication towers and 2 telescopes. However, fire fighters were able to contain the fire a half of a mile away. The entire fire fighting costs was estimated to be 11.5 million dollars.

ARIZONA, Southwest

NONE REPORTED.

ARKANSAS, Central and North Central

Boone County

Harrison	10	1100CST 1430CST			0	1			Flash Flood
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ARKANSAS, Central and North Central



Flash flooding occurred along Bear Creek in Boone County on 06/10/2002, with the creek going out of its banks. Several trees were flattened alongside the creek.

Heavy rainfall occurred over parts of Boone County and resulted in flash flooding in and around the Harrison area. Up to 3 inches of rain fell in Harrison in about 2 hours, with reports of as much as 5 to 6 inches of rain in the Batavia area. Highway 392 was covered by high water near Batavia. Bear Creek went out of its banks, about 6 miles northwest of Harrison, and covered two lanes of U.S. Highway 65 at the Bear Creek Springs community. Also at Bear Creek Springs, five people had to be rescued from flooded businesses near the creek. One person who was rescued was taken to the hospital for treatment of a laceration. A nearby campground was also flooded.

Yell County									
Dardanelle	12	1455CST			0	0			Thunderstorm Wind (G62)
									Thunderstorm winds downed a number of large trees and power lines. A roll-up garage door was blown in on a building and several portable advertising signs were damaged.
White County									
Rose Bud	12	1555CST			0	0			Thunderstorm Wind (G50)
									Thunderstorm winds downed a couple of trees.
Woodruff County									
Augusta	12	1705CST			0	0			Thunderstorm Wind (G50)
									Thunderstorm winds blew down some trees.
Montgomery County									
Caddo Gap	13	1610CST			0	0			Thunderstorm Wind (G50)
									Thunderstorm winds blew down some trees.
Ouachita County									
4 SW Camden	13	1650CST			0	0			Thunderstorm Wind (G50)
									Thunderstorm winds blew down several trees.
Hot Spring County									
Bismarck	13	1700CST			0	0			Thunderstorm Wind (G50)
									Several trees were knocked down.
Hot Spring County									
6 N Bismarck	13	1700CST			0	0			Thunderstorm Wind (G50)
									Trees down.
Hot Spring County									
5 NE Bismarck	13	1700CST			0	0			Thunderstorm Wind (G50)
									Thunderstorm winds downed some trees and large tree limbs.

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ARKANSAS, Central and North Central

Hot Spring County

Lono	13	1745CST			0	0			Thunderstorm Wind (G50)
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Thunderstorm winds downed some trees and power lines.

Stone County

Timbo	16	1930CST			0	0			Hail(0.75)
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Monroe County

Clarendon	23	1700CST			0	0			Thunderstorm Wind (G50)
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Thunderstorm winds blew the roof off a temporary building located at the local high school.

Polk County

3 W Ink	24	1600CST			0	0			Thunderstorm Wind (G52)
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Thunderstorm winds knocked down numerous large tree limbs and blew items off several porches of area homes.

Grant County

Prattville	24	1610CST			0	0			Hail(0.75)
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Clark County

Alpine	24	1815CST			0	0			Thunderstorm Wind (G52)
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Thunderstorm winds downed a large tree at Alpine.

Prairie County

Stuttgart Muni Arpt	25	1432CST			0	0			Thunderstorm Wind (G57) ^M
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Thunderstorm winds gusted to 66 mph at the Stuttgart Airport.

ARKANSAS, East

Randolph County

Minorca	05	0933CST 0940CST			0	0	5K		Thunderstorm Wind
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A few trees were knocked down.

Clay County

Success	05	1010CST 1015CST			0	0	5K		Thunderstorm Wind
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Some trees were blown down.

Crittenden County

West Memphis	05	1050CST 1055CST			0	0	10K		Thunderstorm Wind
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Some trees and power lines were blown down.

Mississippi County

Yarbro	05	1115CST 1120CST			0	0	10K		Thunderstorm Wind
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An automobile repair shop had several garage doors blown in. A small metal building was blown down. Some fencing was also blown down.

Poinsett County

1 SW Tyronza to 1 SE Tyronza	05	1910CST 1925CST	3	25	0	0	5K		Tornado (F0)
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The tornado touched down near Tyronza and moved slowly east. Several power poles were knocked down.

Crittenden County

Edmondson	13	1645CST 1745CST			0	0	1K		Flash Flood
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Several streets were flooded.

Greene County

Delaplaine	24	2000CST 2005CST			0	0	1K		Thunderstorm Wind
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One building was damaged.

Storm Data and Unusual Weather Phenomena

June 2002

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

Randolph County

Maynard	24	2010CST 2015CST			0	0	5K		Thunderstorm Wind
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A few trees were blown down.

ARKANSAS, Northwest

Benton County

Highfill	12	1130CST			0	0	5K		Thunderstorm Wind (G61)
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Thunderstorm winds estimated at 70 miles an hour did significant damage to a storage building and minor damage to two poultry houses. A power pole and power line were also blown down.

Benton County

Rogers	12	1200CST			0	0	25K		Thunderstorm Wind (G61)
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Thunderstorm winds estimated at 70 miles an hour produced a ten block wide swath of damage from downtown Rogers to two miles north to Highway 102. Most of the damage was trees and power lines blown down and trees falling on buildings and cars.

Washington County

Fayetteville	12	1200CST			0	0	50K		Thunderstorm Wind (G61)
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Thunderstorm winds estimated at 70 miles an hour downed trees and power lines. The wind also damaged the roof of an apartment building. Twelve residents of the apartment building were displaced as water poured through the damaged roof and through their ceilings.

ARKANSAS, Southeast

NONE REPORTED.

ARKANSAS, Southwest

NONE REPORTED.

ATLANTIC OCEAN

ANZ534 Point Lookout	01	1848EST	Chesapeake Bay Drum Pt To Smith Pt Va		0	0			Marine Tstm Wind (G36)
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A wind gust of 42 MPH was recorded.

ANZ537 Point Lookout	01	1848EST	Tidal Potomac Cobb Is Md To Smith Pt Va		0	0			Marine Tstm Wind (G36)
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A wind gust of 42 MPH was recorded.

ANZ230 Boston Light	02	1159EST	Boston Harbor		0	0			Marine Tstm Wind (G35)
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ANZ230 Boston Light	02	1300EST	Boston Harbor		0	0			Marine Tstm Wind (G34)
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ANZ250 Minot Light	02	1300EST	Merrimack River Ma And Out 20Nm To Plymouth Ma And Out 40Nm		0	0			Marine Tstm Wind (G34)
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ANZ250 Stellwagen Bank	02	1345EST	Merrimack River Ma And Out 20Nm To Plymouth Ma And Out 40Nm		0	0			Marine Tstm Wind (G35)
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Boston Buoy 44013

ANZ535 Rnld Reagan Natl Arprt	05	1923EST	Tidal Potomac Key Bridge To Indian Hd Md		0	0			Marine Tstm Wind (G35)
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A 34 knot wind gust was recorded.

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>ATLANTIC OCEAN</u>									
ANZ530 Aberdeen Proving Grnd	05	1950EST	Chesapeake Bay N Of Pooles Is Md		0	0			Marine Tstm Wind (G46)
A 53 MPH wind gust was recorded.									
ANZ532 5 SE Annapolis	05	2020EST	Chesapeake Bay Sandy Pt To N Beach Md		0	0			Marine Tstm Wind (G52)
A wind gust of 60 MPH was recorded at Thomas Point Lighthouse.									
ANZ531 Tolchester Beach	05	2030EST	Chesapeake Bay Pooles Is To Sandy Pt Md		0	0			Marine Tstm Wind (G35)
A wind gust of 33 knots was recorded.									
ANZ451 Barnegat Inlet	05	2240EST	Manasquan Inlet To Little Egg Inlet Nj Out 20Nm		0	0	0		Marine Tstm Wind (G39)
A thunderstorm produced a wind gust to 39 knots (45 mph) at Barnegat Inlet.									
ANZ531 Tolchester Beach	06	1454EST	Chesapeake Bay Pooles Is To Sandy Pt Md		0	0			Marine Tstm Wind (G46)
A wind gust of 53 MPH was recorded.									
ANZ535 Rnld Reagan Natl Arprt	06	1507EST	Tidal Potomac Key Bridge To Indian Hd Md		0	0			Marine Tstm Wind (G42)
A wind gust of 48 MPH was recorded.									
ANZ532 5 SE Annapolis	06	1545EST	Chesapeake Bay Sandy Pt To N Beach Md		0	0			Marine Tstm Wind (G35)
A wind gust of 33 knots was measured.									
ANZ533 Cove Pt	06	1615EST	Chesapeake Bay N Beach To Drum Pt Md		0	0			Marine Tstm Wind (G43)
A wind gust of 49 MPH was recorded.									
ANZ531 Millers Island	06	1615EST	Chesapeake Bay Pooles Is To Sandy Pt Md		0	0			Marine Tstm Wind (G40)
A wind gust of 46 MPH was recorded.									
ANZ537 Lewisetta	06	1615EST	Tidal Potomac Cobb Is Md To Smith Pt Va		0	0			Marine Tstm Wind (G35)
A wind gust of 33 knots was measured.									
ANZ534 15 E Patuxent River Nas	06	1645EST	Chesapeake Bay Drum Pt To Smith Pt Va		0	0			Marine Tstm Wind (G39)
A wind gust of 45 MPH was recorded.									
ANZ534 22 N Smith Island	06	1700EST	Chesapeake Bay Drum Pt To Smith Pt Va		0	0			Marine Tstm Wind (G36)
A wind gust of 42 MPH was recorded at Bishop's Head.									
ANZ451 5 NW Barnegat Inlet	06	1620EST	Manasquan Inlet To Little Egg Inlet Nj Out 20Nm		0	0	0		Marine Tstm Wind (G35)
A boat was flipped by thunderstorm winds in Barnegat Bay near Forked River.									
ANZ431 North Cape May	06	1735EST	De Bay Waters S Of E Pt Nj To Slaughter Beach De		0	0	0		Marine Tstm Wind (G35)
ANZ453 Cape May	06	1745EST	Great Egg Inlet To Cp May Nj Out 20Nm		0	0	0		Marine Tstm Wind (G38)
Thunderstorms that moved across lower Delaware Bay and adjacent parts of the Atlantic Ocean produced wind gusts of between 35 and 40 knots. At the Cape May Ferry Terminal, a peak wind gust of 35 knots (40 mph) was measured and at Cape May Harbor a peak wind gust of 38 knots (44 mph) was measured.									
ANZ630 Smith Pt to Windmill Point	06	1740EST	Chesapeake Bay Smith Pt To Windmill Pt Va		0	0			Marine Tstm Wind (G44)
Wind gust to 44 knots measured at MFV.									

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>ATLANTIC OCEAN</u>									
ANZ632 New Point Comfort to Cape Henry	06	1800EST			0	0			Marine Tstm Wind (G36)
Wind gust to 36 knots measured at Sewells Point.									
ANZ338 Sandy Hook Bay	11	1906EST			0	0			Marine Tstm Wind (G35)
ANZ355 Rockaway Inlet	11	1922EST			0	0			Marine Tstm Wind (G40)
As a line of thunderstorms swept east at 30 knots, it produced a wind gust to 35 knots at the NOS Sandy Hook Tide Gage and a gust to 40 knots at Buoy ALSN6 (Ambrose Light Tower).									
ANZ355 Sandy Hook Bay	12	1506EST			0	0			Marine Tstm Wind (G36)
ANZ338 Sandy Hook Bay	12	1506EST			0	0			Marine Tstm Wind (G36)
As strong thunderstorms moved east at 30 knots, they produced a peak wind gust of 36 knots at the NOS Sandy Hook Tide Gage. Additionally, the NWS ASOS Systems at Newark NJ measured a peak wind gust of 30 knots at 3:43 pm EDT and at John F. Kennedy Airport measured a peak wind gust of 33 knots at 4:18 pm EDT.									
ANZ431 Lewes De	12	1825EST			0	0	0		Marine Tstm Wind (G36)
A thunderstorm produced wind gusts to 36 knots (41 mph) in Lewes.									
ANZ536 5 S Quantico	13	1245EST			0	0			Marine Tstm Wind (G35)
Winds strong enough to down trees and power lines moved off the Stafford County shoreline onto the Potomac River									
ANZ536 Dahlgren	13	1253EST			0	0			Marine Tstm Wind (G35)
Winds strong enough to down trees and power lines on the King George County shoreline moved onto the Potomac River.									
ANZ535 Rnld Reagan Natl Arpt	27	1639EST			0	0			Marine Tstm Wind (G35)
A wind gust of 33 knots was recorded.									
ANZ534 Point Lookout	27	1845EST			0	0			Marine Tstm Wind (G35)
A wind gust of 33 knots was recorded.									
ANZ537 Point Lookout	27	1845EST			0	0			Marine Tstm Wind (G35)
A wind gust of 33 knots was recorded.									
ANZ531 Tolchester Beach	27	1848EST			0	0			Marine Tstm Wind (G35)
A wind gust of 34 knots was recorded.									
ANZ533 24 E Plum Pt	27	1915EST			0	0			Marine Tstm Wind (G38)
A wind gust of 38 knots was recorded at Cambridge.									
ANZ230 Boston Light	27	1746EST			0	0			Marine Tstm Wind (G40)
ANZ250 Minot Light	27	1746EST			0	0			Marine Tstm Wind (G40)
ANZ250 Rockport	27	1800EST			0	0			Marine Tstm Wind (G53)
Gloucester Buoy									

Storm Data and Unusual Weather Phenomena

June 2002

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

ATLANTIC OCEAN

ANZ633 Currituck	Currituck Sound 28	1308EST			0	0			Marine Tstm Wind (G36) Wind gust of 36 knots measured at ECG.
ANZ658 Nc-Va Border to Currituck Beach Light	Nc-Va Bdr To Currituck Beach Lt Out 20Nm 28	1400EST			0	0			Marine Tstm Wind (G38) Wind gust of 38 knots measured at Duck, North Carolina.
ANZ254 Chatham Light	Provincetown Ma To Chatham Ma To Nantucket Ma Out 20Nm 28	1445EST			0	0			Marine Tstm Wind (G40)
ANZ335 Eatons Neck	Long Island Sound W Of New Haven Ct To Port Jefferson Ny 28	1935EST			0	0			Marine Tstm Wind (G67) As a severe thunderstorm moved southeast, it produced a peak wind gust of 67 knots, measured at the Eaton's Neck U.S.C.G. Station.

CALIFORNIA, Extreme Southeast

NONE REPORTED.

CALIFORNIA, North Central

NONE REPORTED.

CALIFORNIA, Northeast

NONE REPORTED.

CALIFORNIA, Northwest

NONE REPORTED.

CALIFORNIA, South Central

Kern County

12 NE Bakersfield	02 04	1800PST 1700PST			0	0	110K		Wild/Forest Fire The Rocky Fire originated from unknown causes and burned 498 acres. No structures were lost nor were there any fatalities or injuries.
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CAZ095-098>099

Kern Cty Mtns - Indian Wells Vly - Se Kern Cty Desert	07 08	1813PST 2000PST			0	0			Wind Gusty northwest wind in the Kern County Mountains and Deserts plagued the area late on the 7th and much of the 8th. In the Kern Mountains Jawbone RAWS reached 38 MPH and Tehachapi sustaining 41 MPH. In the Kern Desert areas Indian Wells Canyon gusted to 55 MPH and Government Peak had sustained wind at 35 MPH.
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CAZ089-091

W Central S.J. Valley - Sw S.J. Valley	08	0755PST 2000PST			0	0			Wind While wind was gusty in the Kern Mountains and Deserts, higher than normal wind speeds caused concerns in the Central and Southern San Joaquin Valley. Northwest wind gusted to 38 MPH at Lemoore on the morning of the 8th and reached 42 MPH later in
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Storm Data and Unusual Weather Phenomena

June 2002

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

the day along the west side of the Valley in Fresno County. On the east side of the Valley, wind did not quite reach wind advisory levels although speeds to 32 MPH were noted at Merced, 30 MPH at Madera, and 26 MPH at both Fresno and Hanford.

CAZ089-091

W Central S.J. Valley - Sw S.J. Valley

09	0823PST								
10	1500PST			0	0				Wind

Another day of strong onshore pressure gradients brought gusty wind to the west side of the Central and Southern San Joaquin Valley. Wind gusts to 35 MPH were noted near the San Luis Reservoir in Merced County with gusts to 43 MPH at Kettleman Hills in West Kings County. Sustained wind of 30 MPH and gusts to 36 MPH occurred at Navy Lemoore on the morning of the 9th.

Fresno County

7 N Coalinga

09	1840PST								
10	1800PST			0	0	15K			Wild/Forest Fire

The WK Hill/33 Fire originated from unknown causes and burned 400 acres near the intersection of Highway 33 and 198 in West Fresno County. No structures were lost nor were there any fatalities or injuries.

Kern County

Bodfish

15	1130PST								
18	1700PST			0	0	2.0M			Wild/Forest Fire

The Borel Fire originated from unknown causes and burned 3430 acres. There were 7 primary residences and 12 out-buildings lost in this fire. There were no reported fatalities or injuries.

CALIFORNIA, Southeast

NONE REPORTED.

CALIFORNIA, Southwest

San Bernardino County

6 NE San Bernardino

01	0000PST								
06	1700PST			0	3	300K			Wild/Forest Fire

A wild fire that began from a spark that came from a firefighting training class on the Arrowhead Springs Resort, burned for 6 days before it was brought under control. Three fire fighters were injured, three storage buildings were destroyed, the main hotel building's suffered smoke damage, and 2500 acres were burned. The cost of fighting the fire was placed at \$4 million.

Riverside County

2 NW (Psp)Palm Spgs A1

01	0300PST								
	0600PST			0	0	95K			Wild/Forest Fire

Wind spread flames from a house fire to surrounding brush and consumed a telephone pole.

Riverside County

9 E Hemet

02	1300PST								
04	1700PST			0	0				Wild/Forest Fire

The "Bee" fire burned 430 acres.

San Diego County

3 SW Santee

03	1430PST								
	1730PST			0	0				Wild/Forest Fire

A fast moving brush fire in Mission Trails Regional park, consumed 65 acres before it was brought under control.

Riverside County

2 NW Temecula

03	1700PST								
	1720PST			0	0				Wild/Forest Fire

Traffic backed up on Interstate 15 during the evening commute when a brush fire started on the roadside. About one and a half acres were consumed.

Riverside County

3 SE Hemet

04	1400PST								
	1615PST			0	1				Wild/Forest Fire

An overheated van, started a brush fire that consumed 10 acres and threatened several houses.

CAZ043

San Diego County Coasts

16	1000PST								
	1130PST			0	1	2K			Heavy Surf

A large swell knocked a solo fisherman overboard, about 1 mile offshore of Pacific Beach. His 18 foot power boat suffered some

Storm Data and Unusual Weather Phenomena

June 2002

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

damage to the center console, but remained afloat and traveled in large circles around him. He was rescued 90 minutes later, suffering from exhaustion and hypothermia.

San Bernardino County

2 NE Devore to .5 W Summit	16 22	1325PST 1700PST			0	3	1M		Wild/Forest Fire
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Named the "Blue Cut Fire", it was started by arsonist and rapidly consumed 6864 acres in a six day period due to hot dry windy conditions. Interstate 15 and Highway 138 were closed as 3 miles of highway signs and infrastructure burned and visibility dropped to less than 1/4 mile in smoke. Cost of fighting the fire was \$4.4 million. Dense acrid smoke from the fire also filled the Apple Valley area prompting Air Quality Advisories to be issued. Residents of Oak Hills and Summit Valley were forced to evacuate. One structure was lost. Three fire fighters suffered first and second degree burns and smoke inhalation. They had to deploy emergency fire shelters after a 25 foot wall of flames suddenly shifted towards them and engulfed their fire engine.

Riverside County

2 S Desert Hot Spgs	17	1300PST 1355PST			0	5	300K		Wild/Forest Fire
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Gusty afternoon winds and 120 degree temperatures helped fuel a brush fire that consumed a house, several vehicles, and numerous trees. Four fire fighters were treated for heat exhaustion, another suffered a minor injury.

San Bernardino County

1.5 E Morongo Vly	17	1500PST 1900PST			0	0	150K		Wild/Forest Fire
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A vacant cabin and several acres of brush were consumed.

San Diego County

3 S Imperial Beach	17 18	1800PST 2100PST			0	0			Wild/Forest Fire
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Sixty acres were consumed in a slow moving fire in the Tijuana River Valley.

Riverside County

7 NE Banning to 13 NE Banning	18 20	1200PST 0700PST			0	2			Wild/Forest Fire
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A brush fire consumed 565 acres of uninhabited land on the Morongo Indian Reservation before being fully contained. Two fire fighters suffered minor injuries. In all, 575 personnel were used to control the blaze.

San Diego County

Pala	18	1300PST 1415PST			0	0			Wild/Forest Fire
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Fifteen acres burned on the Pechanga Indian Reservation. No structures were burned.

San Diego County

Alpine	18	1300PST 1320PST			0	0			Wild/Forest Fire
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Two acres were burned on the Barona Indian Reservation. No injuries occurred and no structures were burned.

San Diego County

3.5 E Spring Vly	18	1545PST 1700PST			0	0			Wild/Forest Fire
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Four acres were consumed in a brush fire before firefighters were able to control it.

San Diego County

2 S Mt Laguna Afs to 11 E Mt Laguna Afs	19 22	1030PST 0600PST			0	5	300K		Wild/Forest Fire
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Named the "Troy" fire, it began just east of Mt. Laguna in the Cuyapaipe Indian Reservation and burned to the northeast into the Anza-Borrego Desert. Three unoccupied cabins and 1188 acres burned. The cost to fight the fire was \$1.5 million.

San Bernardino County

1 NW Devore to 3 NW Devore	24	1515PST 1735PST			0	0			Wild/Forest Fire
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Another brush fire along Interstate 15 on the south side of the Cajon Pass, rapidly burned into the area previously consumed by the Blue Cut fire, which ended two days earlier. Dense smoke again filled the Cajon Pass and drifted over the Apple Valley. Interstate 15 was closed for a few hours.

San Diego County

2 E Boulevard to 1 N Boulevard	24 25	1601PST 0600PST			0	0			Wild/Forest Fire
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Named the "Manzanita" Fire, it began along Interstate 8 and burned eastward into the Manzanita Indian Reservation. The freeway was closed for several hours due to dense smoke. Evacuations were ordered for thirty residences. As of 6 a.m. PST, June 25, 130 acres had burned and the fire was only 20% contained.

Storm Data and Unusual Weather Phenomena

June 2002

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

San Bernardino County

Crestline	24	1615PST 1900PST			0	0	80K		Wild/Forest Fire
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The fire began from a malfunction of a power line running through a steep canyon. About 150 firefighters, responding from all the surrounding communities, and assisted by air tankers and helicopters, were able to contain the blaze to 10 acres. Eight power lines were scorched, but power was not disrupted.

San Bernardino County

2 W Crestline to 5 N Crestline	24 25	1625PST 0700PST			0	0			Wild/Forest Fire
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A 10 acre brush fire threatened the town Crestline, forcing the closures of Highways 18 and 138. Dense Smoke from the fire drifted over Hesperia, Apple Valley, and Victorville and lowered the visibility to 1/2 mile. Evacuations were also ordered for Crestline, but no structures were damaged.

Riverside County

White Water	25	1733PST			0	0			Wild/Forest Fire
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Brush fire in center divide of Interstate 10, dense smoke affecting traffic.

Riverside County

3 NE Moreno Valley	25	1759PST			0	0			Wild/Forest Fire
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Brush fire starting near intersection of Ironwood Avenue and Redlands Boulevard.

San Bernardino County

Cajon to 5 SE Wrightwood	26 29	1515PST 1700PST			0	1	2M		Wild/Forest Fire
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Named the Louisiana fire, it began from a burning car in the Cajon Pass near Pitman Canyon. Fanned by 20 mph winds, it grew to more than 200 acres in two hours and destroyed three residences and three outbuildings. Before the first day was over, 1300 acres had burned. Eventually 6532 acres would be burned, along with numerous infrastructure supporting utilities and highway transportation before it was fully contained three days later. Smoke, flames, and heat from the fire halted ground and air transportation across the San Bernardino Mountains and between the High Desert and the Inland Empire of San Bernardino County for two days. Between 50 to 70 trains and 13,000 trucks move through the Cajon Pass on a daily basis. This blockage affected shipping in and out of Long Beach Harbor, a major West Coast shipping port. In addition to burning 57 power poles, heat from the fire forced the shutting down of all power transmission lines and a natural gas line across the mountains. These outages in turn affected about 500,000 customers in communities far removed from the incident site. Initially 40 homes were evacuated the first day in the Swarthout Canyon area. A flare up on the second day forced an evacuation of 100 homes in the Mormon Rocks area. Smoke blown over the Victor Valley caused air quality to dip below healthful levels at times. In addition to the property damage, an additional \$3 million was spent fighting the fire.

San Bernardino County

Arrowhead Spgs	26 27	1930PST 1700PST			0	0			Wild/Forest Fire
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This fire flared up within the boundary of the 2500 acre Arrowhead Fire that occurred during the early part of June 2002. It occurred on unburned acreage and remained fully contained within the established fire corridor.

San Diego County

Poway	28	1322PST 1700PST			0	1			Wild/Forest Fire
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A brush fire burned 9 acres in rugged terrain near a developed neighborhood, before being brought under control.

San Diego County

4 N Lakeside to 5 N Lakeside	30	1414PST 2359PST			0	0			Wild/Forest Fire
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A brush fire broke out along Wildcat Canyon and Old Barona roads, forcing their closure and the evacuation of most of the customers of the Barona Casino.

Riverside County

3 N Palm Spgs	30	1430PST 1630PST			0	0	20K		Wild/Forest Fire
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A vehicle fire was spread by winds into a 10 acre brush fire.

Riverside County

Norco	30	1900PST 2359PST			0	0			Wild/Forest Fire
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A brush fire in dense vegetation along the Santa Ana River Bottom burned 35 acres before being brought under control.

Storm Data and Unusual Weather Phenomena

June 2002

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

CAZ083>085 **North Central & Southeast Siskiyou County - Northeast Siskiyou And Northwest Modoc Counties - Modoc County**

07	0525PST				0	0			Extreme Cold
08	0800PST								

See below.

A Frost Warning was issued for the above zones at the above times. Reported low temperatures ranged from 27 to 34, so it is likely that the warning verified. No frost was reported however.

Reported lows in CAZ081/082 ranged from 31 to 36, so the Warning likely should have been extended to these zones as well. The inclusion of CAZ083 was an error, frost warnings are not issued for that zone.

CAZ083>085 **North Central & Southeast Siskiyou County - Northeast Siskiyou And Northwest Modoc Counties - Modoc County**

08	0558PST				0	0			Extreme Cold
09	0800PST								

See below.

A Frost Warning was issued for the above zones at the above times. Reported lows ranged from 31 to 32, so it is likely that the warning verified. No frost was reported, however.

Reported lows in zones CAZ081/082 ranged from 30 to 38, so a warning likely should have been issued for these zones as well. The inclusion of CAZ083 was an error, frost warnings are not issued for that zone.

CALIFORNIA, West South Central

Ventura County

10 N Ojai	01	1400PST			0	0			Wild/Forest Fire
	14	1400PST							

The Wolf Fire burned 21,278 acres in the Los Padres National Forest. Overall, the fire destroyed six structures.

Los Angeles County

3 N Saugus	05	1430PST			0	0			Wild/Forest Fire
	12	1800PST							

The Copper Fire burned 23,407 acres in the Angeles National Forest. The fire, which was ignited by a grinding tool, destroyed 26 structures.

Santa Barbara County

(Vbg)Vandenberg Afb	15	1200PST			0	0			Wild/Forest Fire
	20	1800PST							

The Sudden Fire burned 7,782 acres on land owned by Vandenberg Air Force Base.

CALIFORNIA, Western

NONE REPORTED.

CARIBBEAN SEA AND TROPICAL ATLANTIC

AMZ651	Deerfield Beach To Ocean Reef Fl								
3 SE Government Cut	08	0752EST			0	0			Waterspout

The Crandon Park Beach Patrol sighted a waterspout 2 miles east of Key Biscayne.

AMZ650	Jupiter Inlet To Deerfield Beach Fl Out 20Nm								
40 ESE Jupiter Inlet	10	1429EST			0	0			Waterspout

A pilot sighted a waterspout in the Atlantic 40 miles east of Palm Beach.

AMZ670	Jupiter Inlet To Deerfield Beach Fl 20 To 60Nm								
20 S Jupiter Inlet	11	0703EST			0	0			Waterspout

A SKYWARN spotter sighted a waterspout on the Intracoastal Waterway near 10th Street in Lake Worth.

AMZ158	Cp Lookout To Surf City Nc Out 20Nm								
Atlantic Beach	14	2330EST			0	0			Marine Tstm Wind (G52)

AMZ555	Cocoa Beach To Jupiter Inlet Fl Out 20Nm								
Patrick Afb	16	1455EST			0	0	0	0	Marine Tstm Wind (G34)

Storm Data and Unusual Weather Phenomena

June 2002

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

A thunderstorm produced a wind gust to 34 knots at Patrick AFB.

AMZ254 Surfside Beach	20	1520EST 1530EST			0	0			Waterspout
Public reported a waterspout 200-300 yards off the coast from Surfside Beach.									
AMZ254 Surfside Beach	20	1600EST 1615EST			0	0			Waterspout
Television media reported a waterspout off the coast of Surfside Beach.									
AMZ555 18 N Patrick Afb	22	0540EST			0	0	0	0	Marine Tstm Wind (G34)
A wind gust to 34 knots was recorded at a NASA weather tower.									
AMZ550 Daytona Beach	23	0805EST			0	0	0	0	Waterspout
A large waterspout was reported by the Volusia County Beach Patrol, moving north about one mile from shore.									
AMZ651 2 S Port Everglades	25	0710EST			0	0			Waterspout
Tower personnel at Hollywood-Fort Lauderdale airport sighted a waterspout in the Atlantic just offshore Hallandale Beach.									
AMZ651 22 ESE Port Everglades	25	1103EST			0	0			Waterspout
A pilot reported a waterspout in the Atlantic.									
AMZ670 5 S Jupiter Inlet	29	0550EST			0	0			Waterspout
A pilot reported a waterspout in the Atlantic.									
AMZ454 5 NE Crescent Beach	30	1511EST			0	0			Waterspout
Reported east of Matanzas Ave Ramp.									
AMZ555 Melbourne Beach	30	1635EST			0	0	0	0	Waterspout
A waterspout was sighted near shore in Melbourne Beach.									

COLORADO, Central and Northeast

Logan County Sterling	01	1500MST 2100MST			0	0			Lightning
Morgan County Brush	01	1500MST 2100MST			0	0			Lightning
Washington County Akron	01	1500MST 2100MST			0	0			Lightning
Weld County New Raymer	01	1500MST 2100MST			0	0			Lightning
Scattered high based thunderstorms, producing frequent lightning but very little rain, ignited dozens of grass fires across eastern Weld, Logan, Morgan and Washington Counties. Outflow winds, coupled with an already strong surface pressure gradient and extreme drought conditions, allowed the fires to quickly scorch over 12,000 acres of farmland. Strong winds also snapped some power poles in Washington County, blew out windows and damaged some roofs. The Akron Airport measured a peak wind gust to 64 mph (56 kts) while Wiggins recorded a wind gust to 63 mph (55 kts). Wind gusts elsewhere generally range from 40 to 50 mph.									
Elbert County 3 NW Elbert	01	1535MST			0	0			Dry Microburst

Storm Data and Unusual Weather Phenomena

June 2002

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

Adams County

1 N Strasburg	01	1637MST			0	0			Dry Microburst Strong straight line winds, the product of outflow winds from dissipating showers and a strong surface pressure gradient, developed across parts of the northeast plains. A trained spotter, 3 miles northwest of Elbert, measured a peak wind gust to 61 mph (53 kts) while a spotter 1 mile north of Strasburg recorded a wind gust to 58 mph (50 kts).
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Weld County

Briggsdale	01	1745MST			0	1			Lightning A farmer was struck by lightning while standing on hay bales. The 39-year old man suffered minor injuries.
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Elbert County

2 W Cedar Pt	03	1305MST	0.1	50	0	0	0	0	Tornado (F0)
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Elbert County

Cedar Pt	03	1330MST			0	0			Hail(1.75)
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Elbert County

1 N Cedar Pt	03	1343MST			0	0			Hail(0.75)
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Douglas County

1 SSE Parker	03	1350MST			0	0			Hail(1.00)
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Weld County

Lucerne	03	1403MST			0	0			Hail(1.00)
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Lincoln County

9 N Limon	03	1404MST			0	0			Hail(1.75)
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Arapahoe County

9 SE (Bkf)Buckley Fld N	03	1408MST			0	0			Hail(0.75)
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Adams County

1 N Strasburg	03	1430MST			0	0			Hail(0.75)
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Weld County

15 E Rockport	03	1430MST			0	0			Hail(1.00)
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Weld County

2 E Galetton	03	1437MST			0	0			Hail(0.75)
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Lincoln County

5 N Arriba	03	1440MST			0	0			Hail(0.75)
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Lincoln County

5 E Arriba	03	1455MST			0	0			Hail(0.75)
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Weld County

6 S Dacono	03	1505MST			0	0			Hail(0.75)
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Arapahoe County

7 SW Byers	03	1507MST			0	0			Hail(0.75)
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Weld County

3 E Ft Lupton	03	1515MST			0	0			Hail(1.00)
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Douglas County

Parker	03	1523MST			0	0			Hail(1.25)
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Arapahoe County

5 SE Byers	03	1544MST			0	0			Hail(1.75)
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Weld County

3 SE Hereford	03	1545MST	0.1	50	0	0	0	0	Tornado (F0)
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Morgan County

5 S Ft Morgan	03	1634MST			0	0			Hail(1.75)
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Morgan County

7 SW Ft Morgan	03	1635MST			0	0			Hail(1.75)
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Storm Data and Unusual Weather Phenomena

June 2002

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

Adams County

4 N Aurora	03	1817MST			0	0			Hail(1.75)
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Elbert County

5 SW Simla	03	1820MST			0	0			Hail(1.50)
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Denver County

4 SE Denver	03	1836MST			0	0			Hail(1.75)
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Elbert County

8 SE Matheson	03	1836MST			0	0			Hail(0.88)
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COZ036-040>041

Jefferson & W Douglas Counties Above 6000 Feet / Gilpin / Clear Creek / Ne Park Counties Below 9000 Feet - N Douglas County Below 6000 Feet / Denver / W Adams & Arapahoe Counties / E Broomfield County - Elbert / C & E Douglas Counties Above 6000 Feet

09	1700MST				0	0			Drought
30	1700MST								

Hot temperatures, low relative humidities and strong gusty winds allowed the Hayman wildfire, located in the foothills southwest of Denver, to blossom into the largest wildfire in the state's history. Although the fire was initially started by a forest service employee, the ongoing drought conditions allowed it to spread rapidly out of control. The wildfire consumed a total of 137,760 acres of forest land, approximately 95,000 acres was burned in Park, Jefferson and Douglas Counties. Approximately 1800 households had to be evacuated during the blaze. A total of 600 structures (including those in Teller County) were destroyed: 133 residences, 1 commercial building and 466 outbuildings. The cost of fighting the fire alone was nearly \$40 million.

The smoke plume caused air quality problems downwind of the fire. Smoke and ash restricted the visibility to a mile or less at times in the Denver and Castle Rock areas. The temperature in Denver equalled or exceeded 90 degrees for 13 consecutive days (06/21-07/03), tied for the fifth longest such streak on record. The record of 18 consecutive days was set during the summer of 1901.

Lincoln County

13 SW Hugo	11	1830MST			0	0			Hail(0.75)
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Elbert County

5 SE Matheson	11	1855MST			0	0			Thunderstorm Wind (G50) ^M
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Lincoln County

4 W Hugo	11	1922MST			0	0			Hail(0.75)
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Lincoln County

4 NE Boyero	12	1745MST			0	0			Hail(1.00)
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Arapahoe County

12 SW Byers	15	1520MST			0	0	0		Hail(0.75)
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Elbert County

15 NE Kiowa	15	1545MST			0	0	0		Hail(0.75)
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Elbert County

10 NE Kiowa	15	1550MST			0	0	0		Hail(1.50)
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Lincoln County

7 NE Karval	15	1630MST			0	0	0		Hail(0.75)
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Lincoln County

7 SW Boyero	15	1711MST			0	0	0		Hail(2.00)
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Lincoln County

15 NE Karval	15	1725MST			0	0	0		Hail(1.75)
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Lincoln County

2 S Boyero	15	1730MST			0	0	0		Hail(1.00)
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Morgan County

1 NW Ft Morgan	17	1821MST			0	0	0	0	Dry Microburst
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A trained weather spotter measured a wind gusts to 63 mph (55 kts).

Larimer County

4.5 S Ft Collins	19	1531MST			0	0			Hail(0.75)
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Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>COLORADO, Central and Northeast</u>									
Larimer County									
Ft Collins	19	1535MST			0	0			Hail(0.75)
Weld County									
15 E Grover	19	1552MST			0	0			Hail(1.75)
Weld County									
15 ESE Grover	19	1605MST			0	0			Thunderstorm Wind (G70)
Douglas County									
Castle Rock	19	2003MST			0	0			Hail(0.75)
Jefferson County									
Evergreen	19	1800MST			0	0	5K	0	Lightning
Lightning damaged the Evergreen Fire Protection District (EFPD) repeater. One microwave transmitter, the main fire channel transmitter and two solar panel controllers were ruined.									
Boulder County									
Boulder	19	2130MST			0	0	25K	0	Lightning
Lightning struck a garage and caused a small fire. Two vehicles parked in the garage were damaged.									
Gilpin County									
2 N Central City	20	1415MST			0	0			Hail(1.50)
Gilpin County									
2 NW Black Hawk	20	1445MST			0	0			Hail(0.75)
Douglas County									
Southwest Portion	20	1700MST 1800MST			0	0			Flash Flood
Heavy rain fell near the Hayman wildfire, along the Jefferson and Douglas County lines. Flash flooding washed out a 40-ft section of the access road to Cheeseman Reservoir. Some debris was washed up against a gate, blocking the road. The debris had to be removed before the gate could be opened.									
Jefferson County									
South Portion	20	1700MST 1800MST			0	0			Flash Flood
Lincoln County									
27 NE Limon	20	2005MST			0	0			Hail(0.75)
Washington County									
21 ESE Last Chance	20	2045MST			0	0			Thunderstorm Wind (G52)
Denver County									
(Den)Denver Intl Arp	21	1621MST			0	0			Thunderstorm Wind (G56) ^M
Arapahoe County									
Greenwood Vlg	25	1603MST			0	0			Hail(1.00)
Douglas County									
Southwest Portion	27	1500MST 1615MST			0	0			Flash Flood
Heavy rain, up to three quarters of an inch, fell across sections of the Hayman burn area near Cheeseman Reservoir. Several forest service roads were washed out and many culverts plugged by debris. Road maintenance had to be brought in to repair the road damage.									
Jefferson County									
South Portion	27	1500MST 1615MST			0	0			Flash Flood
Douglas County									
Parker	28	1808MST			0	0			Thunderstorm Wind (G52) ^M

Storm Data and Unusual Weather Phenomena

June 2002

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

COZ090>092		Yuma County - Kit Carson County - Cheyenne County			0	0			Drought
	01	0000MST							
	30	2359MST							
Moderate to severe drought conditions persisted through the month of June across extreme east central Colorado. Although local areas received beneficial moisture, most areas continued with below normal rainfall. The combination of much above normal temperatures and below normal precipitation resulted in below average crop yields and poor summer crop development.									
Kit Carson County									
Flagler	03	1517MST			0	0			Hail(1.25)
Kit Carson County									
Flagler	03	1523MST			0	0			Hail(1.50)
Kit Carson County									
Flagler	03	1530MST			0	0			Hail(1.00)
Kit Carson County									
Seibert	03	1540MST			0	0			Hail(1.00)
Kit Carson County									
Seibert	03	1548MST			0	0			Hail(1.00)
Yuma County									
4 N Eckley	07	1705MST			0	0			Thunderstorm Wind (G52)
Thunderstorm winds blew down 4 to 6 inch diameter tree limbs.									
Kit Carson County									
2 NW Flagler	11	1824MST			0	0			Hail(0.75)
Cheyenne County									
13 NNW Wild Horse to 13 NNE Wild Horse	11	1907MST			0	0			Hail(0.75)
Kit Carson County									
15 S Bethune	11	1920MST			0	0			Hail(0.75)
Cheyenne County									
9 NNE Kit Carson	11	1930MST			0	0			Thunderstorm Wind (G52)^M
Kit Carson County									
21 S Stratton	11	1930MST			0	0			Hail(1.00)
Cheyenne County									
12 NNW Kit Carson	11	1935MST			0	0			Hail(0.75)
Kit Carson County									
15 S Bethune	11	1935MST			0	0			Hail(0.75)
Cheyenne County									
5 W Kit Carson	11	1948MST			0	0			Thunderstorm Wind (G52)
Cheyenne County									
14 N Arapahoe	11	1951MST			0	0			Hail(0.75)
Cheyenne County									
14 N Arapahoe	11	1951MST			0	0			Thunderstorm Wind (G65)^M
The strong thunderstorm winds combined with one inch diameter hail to break house and car windows.									
Cheyenne County									
Cheyenne Wells	11	1952MST			0	0			Hail(1.75)
Cheyenne County									
5 S Cheyenne Wells	11	2012MST			0	0			Hail(1.00)
Cheyenne County									
15 NW Wild Horse	12	1802MST			0	0			Hail(0.75)
Cheyenne County									
Wild Horse	15	1410MST			0	0			Hail(1.00)

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm	
					Killed	Injured	Property	Crops		
<u>COLORADO, East Central</u>										
Cheyenne County										
6 NNW Wild Horse to 6 NNE Wild Horse	15	1530MST			0	0			Hail(1.75)	
Cheyenne County										
4 NNW Wild Horse	15	1530MST			0	0			Hail(0.75)	
Cheyenne County										
6 NNW Wild Horse	15	1535MST			0	0			Hail(1.75)	
Cheyenne County										
10 N Wild Horse	15	1550MST			0	0			Hail(1.00)	
Cheyenne County										
5 N Kit Carson	15	1555MST			0	0			Hail(1.50)	
Cheyenne County										
3 N Kit Carson	15	1602MST			0	0			Hail(1.50)	
Cheyenne County										
12 N Kit Carson	15	1626MST			0	0			Hail(2.75)	
Cheyenne County										
5 E Kit Carson	15	1630MST			0	0			Hail(1.75)	
Cheyenne County										
9 N Kit Carson	15	1630MST			0	0			Hail(2.75)	
			Large hail stones broke four car windshields.							
Cheyenne County										
14 WSW Cheyenne Wells	15	1730MST			0	0			Hail(0.75)	
Cheyenne County										
Aroya	15	1800MST			0	0			Hail(1.25)	
Cheyenne County										
Aroya	15	1800MST			0	0			Hail(1.50)	
Cheyenne County										
17 SE Kit Carson	19	2055MST			0	0			Hail(0.75)	
Cheyenne County										
15 SE Kit Carson	19	2112MST			0	0			Hail(0.75)	
Kit Carson County										
16 NE Burlington	24	1445MST 2045MST			0	0			Hail(1.75)	
Kit Carson County										
12 SE Burlington	24	1615MST			0	0			Hail(0.75)	
Kit Carson County										
12 SE Burlington	24	1615MST			0	0			Thunderstorm Wind (G52)	
Cheyenne County										
17 NE Cheyenne Wells	24	1625MST			0	0			Thunderstorm Wind (G52)	
Cheyenne County										
6 NE Cheyenne Wells	24	1705MST			0	0			Thunderstorm Wind (G52)	
Cheyenne County										
5 W Cheyenne Wells	24	1740MST			0	0			Hail(2.50)	
Yuma County										
3 S Laird	24	1800MST			0	0			Hail(0.75)	

Storm Data and Unusual Weather Phenomena

June 2002

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

Fremont County

9 SE Texas Creek to 9 E Texas Creek	02 06	1230MST 1800MST			0	0	5M		Wild/Forest Fire
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The Iron Mountain fire started in the early afternoon of June 2nd when a barbeque grill was overturned by high winds. The fire quickly spread, and consumed nearly 4,500 acres of pinon, juniper grass, Ponderosa pine and Gambel oak. Eighty eight mostly manufactured homes were destroyed, along with around 100 outbuildings. Many of the houses and outbuildings were uninsured. It cost nearly 1 1/2 million dollars to fight the fire.

Las Animas County

32 SW Trinidad to 23 SW Trinidad	02 10	1800MST 1800MST			0	0	50K		Wild/Forest Fire
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Lightning started fires burned around 25,000 acres of land and trees south of Trinidad. One fire, the James John, burned around 5,000 acres southeast of Trinidad and east of Interstate 25, while the larger fire, the Spring, which began in New Mexico, scorched around 20,000 acres. The fires burned pinyon juniper, fir, ponderosa pine, aspen, and grass. Eight structures were lost. The James John Fire was around 9 miles southeast of Trinidad. It cost around 3 million dollars to fight the fires.

Baca County

Pritchett	03	1255MST 1300MST			0	0			Hail(0.75)
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Prowers County

20 S Lamar	03	1340MST 1345MST			0	0			Hail(1.00)
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Baca County

20 NW Springfield	03	1413MST 1418MST			0	0			Hail(0.75)
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Otero County

Fowler	03	1413MST 1418MST			0	0			Hail(1.00)
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Crowley County

Sugar City	03	1455MST 1500MST			0	0			Hail(0.75)
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Kiowa County

4 NW Arlington	03	1530MST 1535MST			0	0			Hail(1.75)
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Kiowa County

Haswell	03	1603MST 1608MST			0	0			Hail(0.75)
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El Paso County

9 NE Colorado Spgs	03	1700MST 1705MST			0	0			Hail(1.00)
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El Paso County

Calhan	03	1758MST 1803MST			0	0			Hail(1.75)
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El Paso County

12 E Calhan	03	1818MST 1823MST			0	0			Hail(1.50)
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Crowley County

Sugar City	03	1820MST 1825MST			0	0			Hail(0.75)
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Kiowa County

Arlington	03	2000MST 2005MST			0	0			Hail(1.00)
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Pueblo County

4 NE Pueblo West	03	2007MST 2012MST			0	0			Hail(0.75)
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Pueblo County

4 N Pueblo	03	2010MST 2015MST			0	0			Hail(2.00)
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Storm Data and Unusual Weather Phenomena

June 2002

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

Pueblo County

9 NW Boone to 3 NW Boone	03	2100MST 2105MST			0	0			Hail(1.75)
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Kiowa County

10 N Sheridan Lake	04	0525MST 0530MST			0	0			Hail(0.75)
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Crowley County

1 SW Sugar City	08	1730MST 1735MST			0	5	10K		Dry Microburst
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A microburst knocked over several camping trailers at Lake Meredith southwest of Sugar City causing 5 minor injuries.

Teller County

8 NNW Florissant to 8 NNW Woodland Park	09 30	0200MST 2359MST			0	2	6M		Wild/Forest Fire
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The largest wildfire in Colorado this century began on the evening of June 8th in Park county and spreads into Teller county early on the morning of the 9th. The wildfire was not fully contained until July 2nd. The Hayman Fire was allegedly started by a U.S. Forest Service employee. The fire consumed 43,000 acres of forest and meadows in Teller county generally north of a line from around 8 miles north northwest of Florissant to 8 miles north northwest of Woodland Park. Eighty eight residences were destroyed, along with around 200 other structures. The smoke plume caused heavy concentrations of smoke across Teller and El Paso county from time to time during the blaze. Besides the \$6 million in damage to structures, \$25 million will be spent in the fighting of the fire and rehabilitation of the burn area. Two firefighters sustained minor injuries in the burn area.

El Paso County

Colorado Spgs	12	1720MST 1725MST			0	0			Hail(0.75)
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El Paso County

12 NE Colorado Spgs	12	1910MST 1915MST			0	0			Hail(1.00)
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El Paso County

6 W Ellicott	12	1933MST 1938MST			0	0			Hail(1.50)
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Las Animas County

11 N Kim	12	2340MST 2345MST			0	0			Hail(1.75)
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Las Animas County

3 NW Trinidad to 3 NW Trinchera	14	1300MST 1305MST			0	0			Hail(1.50)
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El Paso County

Colorado Spgs	14	1328MST 1333MST			0	0	24M		Hail(1.00)
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El Paso County

3 N Colorado Spgs	14	1347MST 1352MST			0	0			Hail(1.25)
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El Paso County

4 SE Colorado Spgs	14	1423MST 1428MST			0	0			Hail(1.50)
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The large hail caused around \$24 million on the north side of Colorado Springs. Around 5500 auto and 2500 homeowners claims were filed.

Otero County

Timpas	14	1540MST 1545MST			0	0			Hail(0.88)
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Prowers County

19 SE Lamar	14	1720MST 1725MST			0	0			Hail(2.50)
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Otero County

7 NNE La Junta to 5 S La Junta	15	1345MST 1425MST			0	0	20K		Thunderstorm Wind (G75) ^M
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Outflow winds from a decaying thunderstorm generated a peak wind gust of 86 mph at the La Junta Airport. High winds extended from several miles north of La Junta to several miles south of La Junta. A few roofs were taken off barns in the vicinity of Cheraw,

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COLORADO, South Central and Southeast

north northeast of La Junta.

El Paso County									
2 WSW Colorado Spgs	16	1300MST 1305MST			0	0			Hail(0.75)
Teller County									
Cripple Creek	16	1535MST 1540MST			0	0			Hail(0.75)
Pueblo County									
Pueblo West	16	1653MST 1658MST			0	0			Hail(0.75)
Baca County									
12 SE Campo	17	1345MST 1350MST			0	0			Hail(0.75)
Pueblo County									
Pueblo West	17	1750MST			0	0	30K		Dry Microburst
Virga caused an 82 mph microburst wind gust. Many fences were blown down...a few trees were uprooted...and about 200 homes were without electricity for a short time.									
Prowers County									
Hartman	19	1430MST	0.1	20	0	0			Tornado (F0)
A brief landspout tornado caused no known damage.									
Prowers County									
2 E Hartman	19	1445MST	0.1	20	0	0			Tornado (F0)
A brief landspout tornado caused no know damage.									
Prowers County									
8 S Holly	19	1850MST 1855MST			0	0			Hail(0.75)
Prowers County									
5 S Holly	19	1950MST 1955MST			0	0			Hail(1.00)
Prowers County									
5 S Holly	19	1952MST 1957MST			0	0			Hail(2.00)
El Paso County									
7 NW Colorado Spgs	19	2209MST 2214MST			0	0			Hail(1.25)
Rio Grande County									
2 SSW South Fork to 5 E South Fork	19 30	1500MST 2359MST			0	0	11M		Wild/Forest Fire
The Million Fire started in a rolled up section of illegally dumped sod. It is not known for sure whether the sod spontaneously combusted or was set on fire by a human. The fire spread rapidly with dry conditions and high winds. The 9300 acre fire totally destroyed 11 high end residences. Six residences were heavily damaged, and 2 outbuildings were destroyed. The fire was contained on July 4th. It cost nearly 3 1/2 million dollars to fight the fire.									
Las Animas County									
4 N Trinchera	20	1528MST 1533MST			0	0			Hail(0.75)
Las Animas County									
Kim	20	1700MST			0	0			Thunderstorm Wind (G52) ^M
Las Animas County									
9 SE Kim	20	1705MST 1710MST			0	0			Hail(0.75)
COZ076-078>081									
Northwest Fremont County Above 8500 Ft - Westcliffe Vicinity / Wet Mountain Valley Below 8500 Ft - Wet Mountains Between 8500 And 10000 Ft - Wet Mountains Above 10000 Ft - Teller County / Rampart Range Above 7500 Ft / Pikes Peak Between 7500 & 11000 Ft									
	20 21	2018MST 0100MST			0	0			High Wind (G65) ^M

Storm Data and Unusual Weather Phenomena

June 2002

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

COLORADO, South Central and Southeast

A decaying thunderstorm complex and strong pressure gradient created winds between 60 and 80 mph across the region. Numerous downed tree limbs caused brief power outages of less than 20 minutes in the Rocky Ford and La Junta areas. Storage sheds were also damaged across the area.

Huerfano County							
13 SE Walsenburg	21	1320MST 1325MST			0	0	Hail(0.88)
El Paso County							
Skyway	21	1632MST 1637MST			0	0	Hail(1.00)
Saguache County							
10 N Villa Grove	21	1810MST 1815MST			0	0	Hail(1.00)
Las Animas County							
19 NW Weston	21	1830MST 1835MST			0	0	Hail(0.75)
El Paso County							
4 E (Aff)Usaf Acdmy Col	24	1236MST 1241MST			0	0	Hail(1.00)
Kiowa County							
8 W Eads	24	2230MST 2235MST			0	0	Thunderstorm Wind (G52) ^M
Teller County							
10 NW Divide	27	1600MST 1700MST			0	0	Flash Flood
Rainfall rates of around 1 inch an hour caused flooding across portions of the Hayman Burn Area in Teller county. Over 1000 firefighters were told to head for safe places.							
Fremont County							
6 W Penrose	28	1730MST			0	0	30K Lightning
A double wide mobile home was struck by lightning and caught fire. Two occupants fled the mobile home, which was totally destroyed.							

COLORADO, West

COZ001>014-017>023							
Lower Yampa River Basin - Central Yampa River Basin - Roan And Tavaputs Plateaus - Elkhead And Park Mountains - Upper Yampa River Basin - Grand Valley - Debeque To Silt Corridor - Central Colorado River Basin - Grand And Battlement Mesas - Gore And Elk Mountains/Central Mountain Valleys - Central Gunnison And Uncompahgre River Basin - West Elk And Sawatch Mountains - Flattop Mountains - Upper Gunnison River Valley - Uncompahgre Plateau And Dallas Divide - Northwestern San Juan Mountains - Southwestern San Juan Mountains - Paradox Valley / Lower Dolores River Basin - Four Corners / Upper Dolores River Basin - Animas River Basin - San Juan River Basin							
	01	0000MST			0	0	Drought
	30	2359MST					
Extreme to exceptional drought conditions prevailed across western Colorado in June, with a significant negative impact on agricultural interests and the recreation industry. By early June, many streams and rivers were already running too low to support rafting and kayaking, while most seasonal streams had become dry. Water rationing and other water conservation measures were enacted in some municipalities. The persistent drought increased the potential for major wildfires. See the July 2002 Storm Data publication for a continuation report on the drought in western Colorado.							
Mesa County							
7 NNW Mack to 7.5 NNW Mack	03	1530MST 1536MST	0.5	30	0	0	Tornado (F0)
A tornado was observed and photographed by a BLM employee in a remote area.							
Garfield County							
10 SW Glenwood Spgs to 10 N Glenwood Spgs	08 30	1200MST 0000MST			0	0	Wild/Forest Fire
Strong winds carried an ember from an opening of a burning underground coal seam to nearby brush in South Canyon. The fire quickly spread northeast across forested terrain, jumped railroad tracks, the Colorado River and Interstate 70. The fire continued north of Interstate 70 and into west Glenwood Springs where it destroyed 29 residences and 14 other buildings. Nearly 3000 people were evacuated from that area. The fire continued to move north and east and persisted into the month of July. Additional information on this fire, known as the Coal Seam Fire, can be found in the July Storm Data publication.							

Storm Data and Unusual Weather Phenomena

June 2002

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COLORADO, West

Mesa County

6.5 WSW Glade Park to 1 WSW Glade Park	09 18	1000MST 2359MST			0	0			Wild/Forest Fire
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Strong winds caused an unsupervised campfire to ignite a wildfire which consumed over 2500 acres of juniper and pinyon pine trees. Residents from 230 homes in the area were ordered to evacuate. This wildfire became known as the Dierich Creek Fire, and was later group named with other wildfires as the Miracle Complex. Total fire fighting costs for the Dierich Creek Fire were just over one million dollars.

COZ009

Grand And Battlement Mesas

09 30	1300MST 1800MST			0	0			High Wind (G55)
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Strong winds ahead of a cold front blew down and snapped off numerous Engelmann spruce and subalpine fir trees on the Grand Mesa. The downed trees blocked roads and resulted in campground closures.

La Plata County

2.5 ENE Hermosa to 14 NNE Bayfield	09 30	1300MST 2359MST			0	0			Wild/Forest Fire
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An unknown ignition source in a dry ditch southeast of the first switchback on the Missionary Ridge Road started a forest fire which spread east, north, and south by changing wind directions. The fire became known as the Missionary Ridge fire and consumed just over 70,000 acres of forest before the end of the month, and destroyed at least 34 houses, with many others damaged. On June 17, a very intense fire whirl generated by the fire traveled through the northern periphery of Vallecito Reservoir, producing damage equivalent to an F2 tornado. Large spruce trees up to two feet in diameter were snapped off above the trunk, boats were picked up off the lake and hurled through the air to the other end of the lake, several vehicles were picked up and rolled, and a number of houses were damaged. Total fire damage and firefighting cost estimates were not yet available by the end of June, since this wildfire continued into July. See the July 2002 Storm Data publication for a continuation of this wildfire report.

Mesa County

8 WNW Mesa to 7 WNW Mesa	09 10	1400MST 1200MST			0	0	2K		Wild/Forest Fire
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A wildfire which was ignited from an unknown source consumed 15 acres of juniper and pinyon pine trees along Colorado Highway 65 near Interstate 70. The fire also consumed wooden guard rail posts along the highway. The fire was named the Plateau Creek Fire.

Garfield County

7 SSW Douglas Pass to 4 SSW Douglas Pass	09 18	1500MST 2359MST			0	0			Wild/Forest Fire
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Lightning ignited a fire on the Tavaputs Plateau. Strong winds quickly spread the wildfire which consumed nearly 1500 acres of forest. This wildfire became known as the Long Canyon Fire, and later it was group named with other fires as the Miracle Complex. Total cost of fighting the Long Canyon Fire was about 550,000 dollars.

San Miguel County

15 WSW Telluride to 12 WSW Telluride	21 30	1500MST 2359MST			0	0			Wild/Forest Fire
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Lightning ignited a fire on the forested east slope of Lone Cone Mountain. The fire was named the West Beaver Fire and continued through the end of the month. See the July 2002 Storm Data publication for a continuation of this wildfire report.

Moffat County

9 SSE Elk Spgs to 10 SSE Elk Spgs	22 30	1400MST 2359MST			0	0			Wild/Forest Fire
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Lightning started a wildfire on Pinyon Ridge, and the fire was consequently named the Pinyon Ridge Fire. This fire persisted beyond the end of the month. See the July 2002 Storm Data publication for a continuation of this wildfire report.

Garfield County

7 N New Castle to 9 N New Castle	22 30	1500MST 2359MST			0	0			Wild/Forest Fire
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Lightning sparked a forest fire which was named the Spring Creek Fire. 62 houses, 40 other buildings, and the town of Newcastle's only water supply were threatened by the fire. The cost of fire fighting efforts reached about 1.4 million dollars by the end of the month. This wildfire persisted beyond the month of June. See the July 2002 Storm Data publication for a continuation of the Spring Creek wildfire report.

Gunnison County

3 N Gunnison to 6 N Gunnison	23 30	1400MST 2359MST			0	0			Wild/Forest Fire
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Lightning ignited a wildfire on private property which spread quickly to BLM land due to strong winds. A number of people were evacuated from residences in the area. This wildfire became known as the Wiley Ridge Fire and continued through the end of the month. See the July 2002 Storm Data publication for the remainder of the report on this wildfire.

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COLORADO, West

La Plata County

3 SSW Hermosa to 4 SW Hermosa	25 30	1500MST 2359MST			0	0			Wild/Forest Fire
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Lightning ignited a fire in the Falls Creek area which adjoins the west side of the Animas Valley. The fire burned in a forested area and consumed 22 houses in the Falls Creek subdivision before the end of June. This wildfire was named the Valley Fire and persisted into July. The Valley Fire was included as part of the Missionary Ridge Fire Complex. See the July 2002 Storm Data publication for a continuation report of the Valley Fire.

San Miguel County

15 S Norwood	27	1600MST			0	0	3K		Lightning
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Lightning strikes near the West Beaver Fire on Lone Cone Mountain ignited three new wildfires which were contained by fire fighters within several hours. One lightning bolt struck a fuel truck servicing helicopters used in fighting the fires. The entire electrical system of the fuel truck was destroyed. The driver of the truck was uninjured.

Moffat County

13 NNW Massadona to 15 NNW Massadona	27 30	1600MST 2359MST			0	0			Wild/Forest Fire
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Lightning ignited a wildfire in Dinosaur National Monument which consumed 4500 acres of vegetation by the end of the month. This fire was named the Bear Fire and continued into July. See the July 2002 Storm Data publication for further information on this wildfire.

Archuleta County

17 NW Chimney Rock to 17 NNW Chimney Rock	28 30	0000MST 2359MST			0	0			Wild/Forest Fire
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The Missionary Ridge Fire burning in La Plata County moved into the northwest corner of Archuleta County and continued burning into the month of July. Several hundred acres of forest were consumed in the county by the end of June. See the July 2002 Storm Data publication for a continuation report of the Missionary Ridge Fire.

Gunnison County

7 NNW Sapinero to 9 NNW Sapinero	29 30	1600MST 2359MST			0	0			Wild/Forest Fire
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Lightning ignited a forest fire which was named the Soap Creek Fire. This fire persisted through the end of the month. See the July 2002 Storm Data publication for a continuation of this wildfire report.

CONNECTICUT, Northeast

Hartford County

Manchester	06	0030EST			0	0	2K		Lightning
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Lightning struck a tree next to a house in Manchester, traveling through the rear of the house and ending up in the garage. It sparked a small fire, which left several beams in the garage charred, but damage was minor.

Hartford County

Granby to North Granby	16	1520EST 1532EST			0	0			Hail(0.75)
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Hartford County

East Windsor to Enfield	16	1551EST 1605EST			0	0			Hail(0.75)
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Tolland County

Ellington to East Willington	16	1601EST 1615EST			0	0			Hail(1.00)
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Severe thunderstorms produced dime sized hail in Hartland, Granby, Suffield, Enfield, Ellington, and Tolland. The storms strengthened when they reach Willington, where quarter sized hail was reported. There were no reports of injuries or damage from the hail.

CONNECTICUT, Northwest

Litchfield County

Salisbury	05	2255EST 2300EST	0.1	50	0	0	40K		Tornado (F1)
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CONNECTICUT, Northwest

Thunderstorms erupted during the evening hours of June 5 across eastern New York, along a pre-frontal trough of low pressure. As the line of storms moved into Litchfield County, one cell became tornadic. A thunderstorm cell spawned a tornado, 2.5 miles north of Salisbury. There were two distinct touchdowns. The damage was reported by the general public and was investigated by National Weather Service meteorologist. It exclusively consisted of tree damage. The first touchdown, with a 100 yard-wide swath and a 0.5 mile path length took out a large area of trees, in a herringbone pattern, including many large oak trees up to 20 inches in diameter. The winds were estimated at 110 mph. The twister apparently lifted off the ground, then about a quarter mile east and a little south from the first path, the twister touched down again and knocked down another bunch of oak trees up to a foot in diameter, more indicative of F0 damage. The wind with this touchdown was estimated around 70 mph. The tornado destroyed a total of about 2 acres of healthy mature forest but no injuries or damage to structures was noted.

Litchfield County									
New Milford	16	1400EST			0	0			Hail(0.88)
Litchfield County									
New Milford	16	1400EST			0	0			Hail(0.88)
Litchfield County									
Lanesville	16	1410EST	0.2	25	0	0	10K		Tornado (F0)
Litchfield County									
Roxbury	16	1430EST			0	0	30K		Hail(0.75)
Litchfield County									
Woodbury	16	1435EST			0	0			Hail(1.25)

Thunderstorms developed along an occluded frontal boundary on midday June 16 across western New York state. The intensity was aided by a large cold pocket of air aloft, combined with the strong June midday sunshine. As the storms approached the Hudson Valley of eastern New York, some of them became severe. Scattered severe storms moved into Litchfield County. One of them, that had spawned a tornado in southeastern Dutchess County, produced a weaker F0 tornado near Lanesville. Tree damage occurred along Route 7 about 0.4 miles south of the intersection of Cross Road and Route 7. The path of this tornado was 25 yards wide and a quarter mile long. Dime to half dollar size hail covered the ground at Woodbury. This same storm pounded a large farm in Roxbury with hailstones estimated to be dime size. The hail produced an estimated 30,000 dollars of loss to various crops on that farm. Nickel size hail was also reported at New Milford.

Litchfield County									
Kent	26	1510EST			0	0	10K		Thunderstorm Wind

Scattered thunderstorms developed in a very unstable humid airmass during the afternoon of June 26. One of the storms became briefly severe as it moved into Litchfield County. Thunderstorm winds from this cell knocked down trees in the town of Kent.

CONNECTICUT, Southern

CTZ005>012	Northern Fairfield - Northern New Haven - Northern Middlesex - Northern New London - Southern Fairfield - Southern New Haven - Southern Middlesex - Southern New London								
	01	0000EST			0	0			Drought
	15	2359EST							

Diligent water conservation practices and a wetter pattern helped ease drought conditions during June, which marked the second consecutive month of slightly above normal precipitation across the region. Southern Connecticut received an average of 4.44 inches of rain, which was 130 percent of normal.

At the end of June, a majority of the streams monitored in real time by the U. S. Geological Survey in Connecticut, were classified as having streamflows in the 25 to 74 percentile. Ground water storage was below normal capacity.

The State of Connecticut canceled the Drought Advisory for New London County and the Drought Watch for Fairfield, New Haven, and Middlesex Counties during the middle of the month. The advisory and watch were issued on April 3rd.

New London County									
Norwich	06	0100EST			0	0			Lightning
New London County									
Norwich	06	0143EST			0	0	10K		Lightning

Thunderstorms produced lightning that ignited fires and damaged the Exeter Energy Plant in the Sterling Industrial Park at 2:43am EDT and a 6 unit building in the Bean Hill Condominiums at 213 West Town Street at 2:00am EDT.

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CONNECTICUT, Southern

Nine volunteer fire departments from surrounding towns and Rhode Island responded to and took shifts fighting the fire in Sterling Industrial Park because of intense heat and dust. The Bean Hill Condominium fire resulted in an evacuation of all six units in the building. The Yantic fire chief said that the fire caused moderate damage to the exterior wall of unit 22D.

Fairfield County									
Sherman	16	1409EST			0	0			Hail(0.75)
New Haven County									
Waterbury	16	1450EST			0	0			Hail(0.75)
New Haven County									
Naugatuck	16	1452EST			0	0			Thunderstorm Wind (G52)
New Haven County									
Wallingford	16	1545EST			0	0			Thunderstorm Wind (G52)
Middlesex County									
East Hampton	16	1600EST			0	0			Thunderstorm Wind (G61)
New London County									
Oakdale to Uncasville	16	1615EST 1620EST			0	0			Thunderstorm Wind (G50)

As a severe thunderstorm moved east across extreme Northern Fairfield, Northern New Haven and Northern Middlesex Counties, it produced large hail and damaging wind gusts. Spotters in Sherman and Waterbury reported 3/4-inch diameter hail. High winds downed trees in Naugatuck and trees and wires in East Hampton.

An isolated severe thunderstorm, embedded within a band of heavy showers and thunderstorms, produced high winds that downed trees in Wallingford.

Fairfield County									
Bethel	26	1430EST			0	0			Thunderstorm Wind (G50)

As a severe thunderstorm moved northeast, local police reported that strong winds knocked down several power lines.

New Haven County									
Middlebury	26	1500EST			0	0			Hail(0.75)

As a severe thunderstorm moved northeast, local police reported dime size hail.

DELAWARE

DEZ001>004	New Castle - Kent - Inland Sussex - Delaware Beaches								
	01	0000EST			0	0	0		Drought
	30	2359EST							

June monthly precipitation across Delaware continued the pattern that occurred in May with wetter conditions in the northern part of the state and less and less precipitation farther south. On a county weighted average June monthly precipitation was 1.9 inches in Sussex County, 2.8 inches in Kent County and 3.9 inches in New Castle County. Normal is around 3.7 inches. Monthly precipitation totals at the New Castle County Airport was 4.95 inches and in Georgetown (Sussex County) was 1.95 inches. The drought warning remained in effect for the state. Governor Ruth Ann Minner continued to ask residents to voluntarily conserve water by restricting all non-essential uses such as washing cars and using wise water habits such as running the dishwasher and clothes washer with full loads. The Delaware River Basin Commission voted to continue its drought emergency declaration for the entire Delaware River drainage basin through October 2002, unless hydrological conditions vastly improved. The New York City Reservoirs which feed the Delaware River increased from 81.2 percent of capacity on June 1st to 89.9 percent of capacity on June 24th and then dropped to

Storm Data and Unusual Weather Phenomena

June 2002

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

89.0 percent of capacity as of July 1st.

New Castle County

Odessa to Townsend	06	1545EST 1555EST			0	0			Thunderstorm Wind (G50)
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A severe thunderstorm caused sporadic tree damage across southern New Castle County. The worst reported damage was in Odessa and Townsend.

Kent County

Smyrna	06	1555EST			0	0			Hail(1.50)
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Kent County

Smyrna to Dover	06	1555EST 1625EST			0	0			Thunderstorm Wind (G57)
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Kent County (Dov)Dover Afb

	06	1615EST			0	0			Thunderstorm Wind (G52) ^M
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Kent County

Dover	06	1625EST			0	0			Hail(0.75)
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A severe thunderstorm hit the northern half of Kent County hard. Wind damage was reported in Smyrna, Clayton, Cheswold and Dover. Some of the worst damage was reported in and around Smyrna. Ice cube size hail fell and damaged the siding of one home. A camper was flipped over, gutters were ripped from one home and a twenty-four foot sailboat was thrown a few hundred feet. South of Smyrna along U.S. Route 13, a small barn was destroyed. Heavy rain also fell and caused roadway flooding along U.S. Route 13, Delaware State Route 300 and Wyoming Mill Road. A peak wind gust of 60 mph was measured at Dover Air Force Base.

Sussex County

Gumboro	06	1645EST			0	0			Thunderstorm Wind (G50)
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Sussex County Milford Arpt to Lincoln

	06	1655EST			0	0			Thunderstorm Wind (G52)
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Two severe thunderstorms caused wind damage in Sussex County. The first storm pulled down wires on Sussex County Routes 424 and 61 in and around Gumboro. The second storm knocked down trees in Milford and Lincoln.

New Castle County

Newark to 5 E Newark	18	1715EST 1722EST			0	0			Thunderstorm Wind (G52)
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A severe thunderstorm knocked down a few trees along Main Street in Newark. The same thunderstorm pulled down limbs onto wires in Milltown (Mill Creek Hundred).

Kent County

3 W Hartly	19	1445EST			0	0			Hail(0.75)
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New Castle County

Northwest Portion	19	1800EST 1930EST			0	0			Flash Flood
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Slow moving thunderstorms with heavy rain dropped a Doppler Radar estimated three to four inches of rain within two hours across extreme northwest New Castle County and adjacent locations of Chester County Pennsylvania. This caused poor drainage and stream flooding in northern parts of Mill Creek and Christina Hundreds.

DEZ001>003

New Castle - Kent - Inland Sussex

	24 27	0900EST 1900EST			0	0			Excessive Heat
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The first prolonged period of heat and humidity of the season affected Delaware for most of the work week of June 24th. A strong cold frontal passage during the evening of the 27th ended the hot spell. Highest temperatures included 96 degrees in Georgetown (Sussex County), 95 degrees in Milford (Kent County) and Greenwood (Sussex County), 93 degrees at the New Castle County Airport and in Wilmington (New Castle County).

New Castle County

Hockessin	24	1900EST			0	0			Thunderstorm Wind (G52)
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A severe thunderstorm pulled down about a dozen trees in Hockessin (Mill Creek Hundred).

DISTRICT OF COLUMBIA

District Of Columbia

Countywide	06	1500EST			0	0	15K		Thunderstorm Wind
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Storm Data and Unusual Weather Phenomena

June 2002

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

Forty trees were downed and the roof of an apartment building was blown off. The time was estimated.

A thunderstorm with high winds moved through the District around 4 PM EDT on the 6th. It caused 40 trees and 25 electrical wires to be downed, mainly across the northeast portion of the city. Four homes were damaged by fallen trees. The roof of an apartment building was also blown off. A wind gust of 48 MPH was recorded at Washington Reagan National Airport. Nearly 8000 customers lost power as a direct result of the storm.

District Of Columbia

Northwest Portion to Northeast Portion	27	1750EST			0	0	5K	0	Thunderstorm Wind (G51) ^M
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A wind gust of 59 MPH downed trees.

A thunderstorm with high winds moved through the District around 7 PM EDT on the 27th. It produced a wind gust of 59 MPH at Children's Hospital. A gust of 48 MPH was recorded at Adams Elementary. Trees were downed in the northwest portion of the city.

FLORIDA, East Central

Seminole County

Fern Park	01	1647EST			0	0	0	0	Hail(0.75)
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Orange County

Orlando Executive Ar	01	1713EST			0	0	0	0	Hail(1.00)
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Orange County

Orlando	01	1725EST			0	0	30K	0	Thunderstorm Wind (G50)
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Thunderstorm winds blew down trees that damaged six mobile homes in the Clear Lake area of Orlando. Trees were also blown down damaging a van in Pine Castel.

Orange County

Orlando	01	1730EST			0	0	0	0	Hail(1.00)
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One inch hail was reported in Orlando, and dime size hail was reported in Conway.

Lake County

Lady Lake	02	1520EST			0	0	10K	0	Thunderstorm Wind (G50)
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Thunderstorm winds blew down trees and power lines and damaged the roof of a mobile home in the Bassville and The Villages area near Lady Lake.

Volusia County

1 S De Land	02	1615EST			0	0	0	0	Hail(0.75)
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Brevard County

Cape Kennedy Rgnl	18	1510EST			0	0	0	0	Thunderstorm Wind (G51) ^M
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A wind gust to 51 knots was recorded in a thunderstorm at NASA wind tower number 36.

Orange County

Orlando	19	1545EST			0	0	0	0	Hail(0.75)
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Dime size hail was reported near Sea World.

Indian River County

Fellsmere	25	1215EST 1415EST			0	0	10K	0	Flash Flood
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Flooding from heavy rains rendered some roads impassable and flooded two homes in the Fellsmere area.

Seminole County

Sanford Arpt	30	1145EST			0	4	0	0	Lightning
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Five baggage handlers were struck by lightning while loading an aircraft at Sanford International Airport. Four were hospitalized.

Brevard County

Melbourne	30	1200EST			0	0	0	0	Lightning
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Three men were struck by lightning on a golf course in Melbourne. None were injured.

Orange County

Orlando	30	1200EST			0	0	20K	0	Lightning
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Lightning started a fire that damaged a condominium in Orlando.

Orange County

Winter Park	30	1300EST			0	0	10K	0	Lightning
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Storm Data and Unusual Weather Phenomena

June 2002

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

Lightning started a fire that damaged an apartment in Winter Park.

FLORIDA, Extreme Southern

NONE REPORTED.

FLORIDA, Northeastern

Baker County

Taylor	03	1550EST			0	0			Hail(0.75)
Broadcast media report.									

Putnam County

Melrose	03	1715EST			0	0			Hail(0.75)
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Suwannee County

1 N Live Oak	03	1733EST			0	0	0.50K		Hail(0.75)
Windows broken by hail.									

Suwannee County

1 N Live Oak	03	1733EST			0	0	0.20K		Thunderstorm Wind
Large trees down.									

Alachua County

High Spgs	03	1925EST			0	0	1K		Thunderstorm Wind
Large trees down around the town.									

Gilchrist County

Countywide	03	1935EST			0	0			Tstm Wind/Hail
50 mph winds reported.									

Hamilton County

Genoa	04	1530EST			0	0			Hail(0.75)
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Columbia County

1 SW Lake City	05	1730EST			0	0	1K		Thunderstorm Wind
Power Lines down.									

Baker County

9 SW Glen St Mary	06	1515EST			0	0	1K		Thunderstorm Wind
Large trees and power lines down.									

Columbia County

8 SE Lake City	06	1515EST			0	0	1K		Thunderstorm Wind
Large trees and power lines blown down.									

Flagler County

Mantanzas	12	1155EST			0	0			Funnel Cloud
2 Funnel clouds sighted.									

Clay County

5 S Green Cove Spgs	12	1335EST			0	0			Funnel Cloud
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Duval County

Jacksonville Beach	13	1155EST			0	0			Urban/Sml Stream Fld
Minor roadway flooding.									

St. Johns County

Hastings	13	1541EST			0	0	20K		Thunderstorm Wind
Sixty to eighty feet of a church roof blown off and onto power lines.									

St. Johns County

Hastings	13	1621EST			0	0			Funnel Cloud
Two funnel clouds sighted.									

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>FLORIDA, Northeastern</u>									
Marion County									
Ocala	13	1641EST			0	0	1K		Thunderstorm Wind
Power lines downed with several fires started.									
Marion County									
Ocala	13	1659EST			0	0	2K		Thunderstorm Wind
Two large trees fell onto a house. A large tree was blown over onto the Ocala National Bank. Numerous reports of downed power lines.									
Marion County									
Ft Mc Coy	13	1810EST			0	0	1K		Thunderstorm Wind
Trees down over power lines causing power outages.									
Duval County									
Jacksonville Beach	19	1430EST 1530EST			0	0			Flash Flood
Extensive flooding of streets with road closures.									
Clay County									
10 SW Orange Park	19	1620EST			0	0	5K		Thunderstorm Wind
Large trees and lower lines down over Tacoa Rd.									
Suwannee County									
Dowling Park	20	1928EST			0	0	2K		Thunderstorm Wind
Numerous large trees and powerlines down.									
St. Johns County									
Countywide	21	0730EST 1600EST			0	0			Urban/Sml Stream Fld
Numerous streets flooded and closed									
Duval County									
Jacksonville Beach	21	0730EST 1129EST			0	0			Urban/Sml Stream Fld
Street flooding.									
Duval County									
East Portion	21	1130EST 1700EST			0	0			Flash Flood
Numerous street flooded and closed.									
Putnam County									
Countywide	22	1200EST 1300EST			0	0			Flash Flood
Numerous streets, highways and underpasses impassable due to flooding.									
Duval County									
Countywide	22	1200EST 1300EST			0	0			Flash Flood
Street flooding reported.									
St. Johns County									
Palm Vly	22	1200EST 1300EST			0	0			Flash Flood
Palm Valley Rd. flooded near bridge.									
Marion County									
Marion Oaks	22	1329EST			0	0			Funnel Cloud
Funnel cloud reported just off the ground.									
Marion County									
Marion Oaks	22	1400EST	0.1	.1	0	0	2K		Tornado (F0)
Trees snapped and twisted. Numerous trees down.									
Marion County									
5 N Dunnellon to Dunnellon	22	1400EST			0	0	2K		Thunderstorm Wind
Numerous trees blown down.									

Storm Data and Unusual Weather Phenomena

June 2002

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

Marion County

Ocala	22	1500EST 1600EST			0	0			Flash Flood
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Numerous street flooded and roads closed.

Flagler County

Flagler Beach	26	1550EST			0	0			Funnel Cloud
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Marion County

3 W Marion Oaks	27	1545EST			0	0			Hail(0.88)
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Nickel sized hail.

Marion County

Ocala	28	1400EST			0	0			Funnel Cloud
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Nassau County

Callahan	28	1450EST			0	0			Hail(1.00)
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Quarter sized hail.

Nassau County

Bryceville	28	1522EST			0	0	2K		Thunderstorm Wind
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Large trees and power lines down.

Duval County

2 N Baldwin to 5 N Baldwin	28	1522EST			0	0	2K		Thunderstorm Wind
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Large trees and power lines down.

Hamilton County

10 NE Jasper	28	1800EST			0	0	2K		Thunderstorm Wind
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Large trees down.

FLORIDA, Northwest

Leon County

Southeast Portion	01	1740EST 1840EST			0	0	1K		Thunderstorm Wind
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A few large trees snapped and a utility pole blown down. Reported by a SKYWARN storm spotter.

Wakulla County

9 N Crawfordville	01	1755EST			0	0			Hail(1.75)
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Golfball size hail reported by the Wakulla County Sheriff and EMA.

Leon County

Tallahassee	03	1626EST			0	0			Hail(0.75)
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Dime size hail fell at Old Bainbridge Road and Interstate 10. Reported by a off duty non-NWS employee.

Leon County

Tallahassee	03	1627EST			0	0			Hail(1.00)
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Quarter size hail fell on Little Osprey Drive. Reported by an off duty NWS meteorologist.

Liberty County

Summatra	03	1645EST			0	0	10K		Thunderstorm Wind
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Trees fell on power lines. Subsequent power outage disrupted water supply to the Sweetwater community. Reported by the Liberty County Sheriff.

Leon County

15 W Tallahassee	04	1435EST			0	0			Hail(0.75)
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Dime size hail fell on State Highway 20. Reported by the Leon County Sheriff.

Gadsden County

Quincy	04	1500EST			0	0			Hail(1.00)
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Quarter size hail reported by the Gadsden County Sheriff.

Walton County

De Funiak Spgs	04	1505EST			0	0			Hail(0.75)
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Dime size hail covering the ground at the Interstate 10/U.S. Highway 331 exit. Reported by a WJHG-TV meteorologist.

Storm Data and Unusual Weather Phenomena

June 2002

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

Jackson County

Countywide to Marianna	04	1530EST 1550EST			0	0	115K		Thunderstorm Wind
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Numerous trees and power lines down in the Rocky Creek area, about four miles southeast of Marianna. Large trees fell on three trailers and caused heavy damage. The Rocky Creek Community Church front awning was destroyed by a fallen tree. A nearby horse shed was damaged. Several county roads were blocked by fallen trees and power lines. In Marianna, a section of wall to a business on Jefferson Street collapsed, and an awning to a business on U.S. Highway 90 was destroyed.

Dixie County

Northwest Portion	04	1630EST			0	0	2K		Thunderstorm Wind
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Power lines down northwest of Cross City. Reported by the Dixie County Sheriff.

Leon County

Tallahassee	04	1645EST			0	0			Hail(0.75)
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Dime size hail fell between Miccosukee and Centerville Roads west of Capital Circle NE. Reported by a cooperative observer.

Leon County

4 SW Chaires	04	1937EST			0	0			Hail(0.75)
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Dime size hail fell on State Highway 20. Reported by the Leon County EMA.

Walton County

De Funiak Spgs	14	1402EST			0	0	5K		Thunderstorm Wind
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Numerous downed power lines reported by DeFuniak Springs Police.

Franklin County

Apalachicola	20	2257EST			0	0	1K		Thunderstorm Wind
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A few power poles uprooted. Reported by the Franklin County Sheriff.

FLORIDA, Southern

Miami - Dade County

Naranja	15	1230EST			0	0	10K		Thunderstorm Wind (G65)
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Four homes at a mobile home park incurred minor damage.

Palm Beach County

Jupiter	16	1700EST			0	1			Lightning
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A 47-year old man was injured when lightning struck the metal railing on which he was leaning on the second floor of his condominium.

Palm Beach County

Jupiter	16	1700EST			0	0			Lightning
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Palm Beach County

Jupiter	16	1700EST			0	0	20K		Thunderstorm Wind (G60)
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A large sign was blown down at the Lighthouse Plaza shopping center. Fifteen FP& L electrical transformers were disabled by lightning strikes causing power outages to 7550 customers.

Broward County

Ft Lauderdale	23	1330EST 1400EST			0	0	10K		Flash Flood
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Eight to ten inches of rain fell in central Broward County causing minor flooding in several houses.

Miami - Dade County

Key Biscayne	30	1400EST			0	3	1K		Lightning
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Lightning struck a 23-foot boat in Biscayne Bay as it approached Crandon Park Marina. The lightning shattered a plexiglass windshield injuring the three persons aboard.

FLORIDA, West Central

Sarasota County

4 NW North Port	02	1300EST			0	0			Lightning
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Brush fires sparked by lightning near Warm Mineral Springs burned about 500 acres south of Interstate 75. At one time, the fire came within a quarter mile of the interstate, threatening to close it.

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage	Character of Storm
					Killed	Injured	Property Crops	
<u>FLORIDA, West Central</u>								
Levy County								
Bronson	02	1517EST			0	0		Hail(1.00)
Hillsborough County								
3 NW Tampa Intl Arpt to 6 NW Tampa Intl Arpt	05	1730EST 1735EST	3	100	0	0	150K	Tornado (F0)
National Weather Service damage survey concluded the F0 tornado moved through the Town and Country area, beginning just north of Hillsborough Avenue on Tudor Road and continued northwest to near the intersection of Wexford and Timberlane West Road. The majority of the damage occurred in the Essex Downs mobile home park where 31 units were damaged. Further northwest, the tornado downed trees, tore the siding off the back of one home, destroyed a pool cage, and blew over 75 yards of fence. Maximum wind estimated at 65 mph.								
Pinellas County								
.5 ENE Crystal Beach	05	1745EST	0.1	20	0	0		Tornado (F0)
Trained weather spotter was watching the funnel cloud and noticed it touched down briefly with no damage.								
Pinellas County								
.8 E St Petersburg Beach 1.2 SSE St Petersburg Be	08	1440EST 1450EST	1	40	0	0	500K	Tornado (F0)
Damage survey showed path from Boca Ciega Isle to McPherson Bayou with damage to 40 homes, 10 of which were uninhabitable due to water damage. The tornado ripped off parts of roofs, crumbled pool cages, and toppled trees.								
Pinellas County								
Treasure Is	08	1455EST			0	1		Urban/Sml Stream Fld
Heavy rain caused the roof of a hotel to collapse. One minor injury was reported due to falling ceiling tiles inside the motel during the collapse.								
Charlotte County								
7 ENE Punta Gorda	10	1635EST			0	0		Hail(0.75)
Charlotte County								
4 SE Punta Gorda	10	1640EST 1645EST	0.3	20	0	0	5K	Tornado (F0)
Newspaper reported a small tornado at the Charlotte County Speedway, just south of the airport. A tower, fence, billboards, and lightning system were all marred.								
Charlotte County								
5 SW Port Charlotte to 4 SW Port Charlotte	11	1700EST 1705EST	1	40	0	0		Tornado (F0)
The tornado started out as a waterspout over Charlotte Bay and moved onshore. Damage survey showed tornado was in an area of mostly vacant lots with numerous dead pine trees killed by previous wild fire. Numerous trees were down and a number of nearby power lines were broken or shorted out by airborne debris, but the closest home was outside the area of tornadic wind and no structure damage was reported.								
Charlotte County								
5 N Charlotte Beach	11	1700EST			0	0		Hail(0.75)
Manatee County								
.2 W Holmes Beach	17	1740EST	0.1	20	0	0		Tornado (F0)
Waterspout came ashore at the 4000 block of Holmes Beach. No damage was reported.								
Citrus County								
Crystal River	18	1700EST			0	0		Lightning
Lightning hit a 230,000 volt switchyard a few hundred feet from the nuclear power plant and knocked out one of the plant's dual power feeds.								
Citrus County								
3 NE Inverness	19	1623EST			0	0		Hail(0.75)
Sumter County								
Wildwood	22	1645EST 1800EST			0	0		Flash Flood
Four inches of rain in one hour was reported by city officials. Flooding shut down U.S. Highway 301 and a two block area near the Wildwood shopping center.								
Hernando County								
Bayport to Berkeley	22	1714EST 2100EST			0	0		Flash Flood

Storm Data and Unusual Weather Phenomena

June 2002

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

A nearly stationary upper level low pressure area remained parked over the northeastern Gulf of Mexico, pumping moisture into the region. Radar estimated 6 to 10 inches of rain. Heavy rains during the previous week had saturated the soil, which aggravated the flooding and caused sink holes to form.

Polk County

Lakeland to
Mulberry

24	1550EST 1700EST				0	0			Flash Flood
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A moist atmosphere combined with slow moving thunderstorms produced rainfall of 4 to 8 inches in eastern Polk county. In Lakeland, officials reported that up to 100 structures and 40 vehicles had some form of water damage. Thirty people from three mobile home parks near Maine Avenue and Reynolds Road had to be evacuated. This is the same area where a woman had to be rescued after she drove her Buick into a submerged ditch. Later that evening, a sinkhole opened up under a porch in the area. In Mulberry, some three dozen cars were flooded with some of the cars actually floating from their parking spots. High water was common throughout the city.

Hillsborough County

Tampa

24	1626EST 1800EST				0	0			Flash Flood
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Recorded up to 4.5 inches of rain producing submerged vehicles at a large hotel and three feet of water on sidewalks along Willsborough Avenue between 30th and 40th streets.

Citrus County

5 E Crystal River

28	1343EST				0	0			Tstm Wind/Hail
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Several large limbs and one tree fell on a vehicle along County Road 486.

Citrus County

5 N Floral City

28	1450EST				0	0			Thunderstorm Wind (G51)
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Numerous large oak limbs down with average diameter of four inches.

Lee County

Cape Coral

28	1510EST				0	0			Urban/Sml Stream Fld
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Poor drainage caused three feet of standing water in the Palmetto Park section of Cape Coral.

Pinellas County

Clearwater

28	1640EST				0	0			Thunderstorm Wind (G55)
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Tops of trees sheared off and 10 inch limbs snapped off

Hillsborough County

Valrico

29	1745EST				0	0	5K		Thunderstorm Wind (G50)
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Downed trees damaged one car and one home.

Hillsborough County

Temple Terrace

29	1830EST				1	0			Lightning
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A man was struck on a bicycle trying to escape an approaching storm. He had been fishing in the Tampa Bypass Canal near Interstate 75 and Fowler Avenue.
M430U

Polk County

Ft Meade to
Bartow

30	1420EST 1440EST				0	0			Urban/Sml Stream Fld
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Urban and small stream flooding stalled cars on U.S. 17 and in Mulberry.

FLORIDA, West Panhandle

Santa Rosa County

Jay

14	1315CST 1316CST				0	0	8K		Thunderstorm Wind (G50)
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High winds damaged a home south of Jay. A metal shed was blown away, an awning was blown from a trailer and the back porch to the home was damaged.

Santa Rosa County

Holley

14	1500CST 1501CST				0	0	20K		Thunderstorm Wind (G50)
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High winds from a thunderstorm blew down power lines near Holley by the Sea. Five homes also suffered minor roof damage.

Escambia County

(Pns)Pensacola Regio

24	0935CST 0936CST		0.1	10	0	0			Tornado (F0)
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Storm Data and Unusual Weather Phenomena

June 2002

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

Emergency management officials saw a very small pencil type tornado briefly touch down near the airport in a dirt pit. The tornado did no damage and dissipated almost as soon as it touched the ground.

GEORGIA, East Central

Burke County 5 E Waynesboro	03	1722EST			0	0	3K	0	Thunderstorm Wind (G50)
EOC reported trees down on a mobile home.									
Richmond County Augusta	03	1858EST			0	0		0	Hail(1.75)
HAM operator reported golf ball size hail in northwest Augusta.along Riverwatch Parkway.									
Burke County Waynesboro	30	1500EST			0	0	0	0	Thunderstorm Wind (G50)
Sheriff reported a couple of trees down in Waynesboro.									

GEORGIA, Lower

Wayne County 4 W Gardi	03	1505EST			0	0			Hail(0.75)
Near Little Creek.									
Appling County 5 N Surrency	03	1540EST			0	0			Hail(0.75)
Appling County 5 N Surrency	03	1540EST			0	0	5K		Thunderstorm Wind
3 chicken houses damaged by winds. Large trees down. Widespread power outage.									
Clinch County 1 N Fargo	04	1345EST			0	0			Hail(1.00)
Brantley County Raybon to Hoboken	06	1700EST 1715EST			0	0	1K		Thunderstorm Wind
Large trees and power lines down.									
Charlton County 5 N Folkston	14	2030EST			0	0	5K		Thunderstorm Wind
Large pines downed onto power lines. Along Highway 252.									
Camden County White Oak	28	1600EST			0	0	2K		Thunderstorm Wind
Large trees blown down over rad and powerlines.									
Appling County Baxley	29	1844EST			0	5			Tstm Wind/Hail
Thunderstorm winds blew unsecured camper top into the window of a resturant. Window was broken injuring patrons.									
Echols County Countywide	30	1710EST			0	0	2K		Thunderstorm Wind
Large trees and power lines down.									
Wayne County Odum	30	1740EST			0	0			Hail(0.75)
Appling County Baxley	30	1800EST			0	0	2K		Thunderstorm Wind
Large trees and power lines down across town. Roads blocked.									
Coffee County Douglas	30	1900EST			0	0	2K		Thunderstorm Wind
Large trees down across roadways.									

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>GEORGIA, North and Central</u>									
Toombs County									
Lyons	03	1700EST			0	0	1K		Thunderstorm Wind
The Toombs county 911 center reported that several trees were blown down.									
Toombs County									
Lyons	03	1705EST			0	0			Hail(0.75)
The public reported dime size hail on Georgia Highway 178.									
Emanuel County									
Twin City	03	1715EST			0	0			Lightning
The Emanuel county 911 center reported that lightning ignited several fires in the city, but no further information or damage estimates were provided.									
Emanuel County									
Twin City	03	1715EST 1725EST			0	0	125K		Thunderstorm Wind
The Emanuel county Emergency Management Director reported that strong straight line easterly winds from a westward moving thunderstorm complex destroyed two mobile homes, severely damaged two more, caused minor damage to 13 homes, and downed numerous trees and power lines. The entire city was reported to have been without power through the entire evening.									
Montgomery County									
Kibbee	03	1745EST			0	0	0.50K		Thunderstorm Wind
The Montgomery county 911 center reported that a few trees were blown down.									
Laurens County									
Cadwell	03	1840EST 1900EST			0	0	25K		Thunderstorm Wind (G52)
The Courier-Herald of Dublin reported that thunderstorm winds caused considerable damage in Cadwell. Trees and power lines were blown down throughout the area. One home had a tree fall through its roof and a city shed had half of its roof torn off. Trees were reported down on U.S. Highway 441 and Georgia Highway 117.									
Laurens County									
Cadwell	03	1845EST			0	0			Hail(1.75)
The Laurens county 911 center reported golf ball size hail and a storm spotter reported dime size hail.									
Dodge County									
Roddy	03	1900EST			0	0			Hail(0.75)
The public reported dime size hail.									
Dodge County									
Chester to 5 S Eastman	03	1915EST 1925EST			0	0	10K		Thunderstorm Wind
The Dodge county 911 center reported that numerous trees and power lines were down in several areas throughout the county including Chester, Plainfield, Eastman, and south of Eastman on Georgia Highways 87 and 117.									
Bleckley County									
Cochran	03	2030EST			0	0			Hail(0.75)
The Bleckley county 911 center reported dime size hail.									
Bleckley County									
Cochran	03	2030EST			0	0	2K		Thunderstorm Wind
The Bleckley county 911 center reported that a couple of power poles and a few trees were blown down.									
Marion County									
Buena Vista	04	1516EST			0	0			Hail(0.75)
The Buena Vista Post Office reported dime size hail.									
Muscogee County									
Columbus	04	1535EST 1550EST			0	0			Hail(0.88)
Several reports of dime to nickel size hail were received from the public and one report from television station KBVT in Columbus.									
Catoosa County									
Ringgold	04	1602EST			0	0			Hail(0.75)

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>GEORGIA, North and Central</u>									
			The public reported dime size hail.						
Catoosa County									
Ringgold	04	1602EST			0	0			Thunderstorm Wind (G52)
			The public estimated thunderstorm wind gusts at 60 mph.						
Chattooga County									
Summerville	04	1645EST			0	0			Hail(0.75)
			The public reported dime size hail.						
Chattooga County									
Summerville	04	1645EST			0	0	25K		Thunderstorm Wind
			The Summerville News reported that strong thunderstorm winds blew trees over onto several homes and across roads and also blew down the cook shed at the Chattooga County Memorial Home.						
Troup County									
La Grange	04	1654EST 1740EST			0	0	100K		Thunderstorm Wind
			The LaGrange Daily News, along with the public, storm spotters, and the local post office all reported a considerable amount of wind damage in the LaGrange area. Numerous large trees were blown down or uprooted, several landing on homes, power lines, and in the city streets. The northbound lanes of Interstate 85 near LaGrange were closed for a period of time as tree debris blocked the lanes. Numerous lengthy power outages resulted from all of the downed trees and power lines around the city. Many traffic signals were rendered inoperative by the power outage, causing numerous traffic problems. City crews estimated that it would cost \$10,000 just to clean up all of the debris in the streets. Three homes sustained major damage to roofs when large trees were blown over onto them. At one home, the downed tree also broke out a window, damaged a computer just inside the window, and caused considerable damage to a 1995 Chevrolet Cavalier. Another home suffered \$10,000 in damage when a large Silver Maple tree fell through the roof. At yet another home, \$3,000 worth of damage was caused when a tree fell on a power line and pulled the main electrical line from the house. There were several other reports of electrical meters being ripped from the sides of homes as power lines were pulled down by trees and took the meters along with them. Another car was heavily damaged when part of a large oak tree fell on an automobile at another residence. A storage building was also destroyed by the wind.						
Heard County									
Franklin	04	1700EST			0	0			Hail(1.00)
			The Heard county 911 center reported quarter size hail.						
Troup County									
La Grange	04	1700EST			0	0	0.50K		Lightning
			The LaGrange Daily News reported that lightning struck a tree.						
Troup County									
La Grange	04	1706EST			0	0			Hail(1.00)
			Storm spotters reported dime to quarter size hail.						
Bartow County									
Cassville	04	1715EST			0	0			Hail(1.00)
			The public reported quarter size hail.						
Carroll County									
Bowdon to Whitesburg	04	1730EST			0	0	15K		Thunderstorm Wind
			The Carroll county Emergency Management Director reported that numerous trees and power lines were down in Bowdon, Mt. Zion, and Whitesburg. In addition, an old barn was destroyed and the back porch on an old house was damaged.						
Gordon County									
Calhoun	04	1730EST			0	0	5K		Thunderstorm Wind
			The Gordon county 911 center reported that numerous trees were blown down.						
Heard County									
Franklin	04	1730EST			0	0			Hail(1.00)
			The Heard county 911 center reported yet another round of quarter size hail.						
Upson County									
Thunder	04	1730EST 1750EST			0	0			Hail(0.88)
			An amateur radio operator reported nickel size hail and the Upson county Emergency Management Director reported dime size hail.						

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>GEORGIA, North and Central</u>									
Coweta County									
1 ENE Grantville to Sharpsburg	04	1739EST 1820EST			0	0	20K		Hail(1.00)
Amateur radio and public reports indicated that quarter size hail fell in the Grantville, Moreland, and Sharpsburg vicinities. The hail was large enough to damage some cars on Interstate 85 near the U.S. 29 highway interchange.									
Pike County									
Molena	04	1750EST			0	0	5K		Thunderstorm Wind
An amateur radio operator reported that trees and power lines were down in downtown Molena at the intersection of Georgia Highways 109 and 18.									
Upson County									
Thunder	04	1750EST			0	0	1K		Thunderstorm Wind
An amateur radio operator reported that trees were blown down in the Thundering Springs, Camp Thunder area of extreme northwest Upson county.									
Murray County									
Chatsworth	04	1805EST			0	0			Hail(0.75)
A storm spotter reported dime size hail.									
Cobb County									
4 E Marietta	04	1905EST			0	0			Urban/Sml Stream Fld
The public reported street flooding along Sope Creek at Sandy Plains Road.									
Fulton County									
Roswell	04	1907EST			0	0	1K		Thunderstorm Wind
The public reported that several trees were blown down.									
Cobb County									
8 E Sandy Plains	04	1909EST			0	0			Hail(1.00)
Amateur radio and several public reports indicated that there was dime size hail in the extreme northeast part of Cobb county near the Chattahoochee River and Roswell.									
Cobb County									
8 E Sandy Plains	04	1909EST			0	0	1K		Thunderstorm Wind
An amateur radio operator reported that some 2 foot diameter trees were blown down.									
Fulton County									
Roswell	04	1910EST			0	0			Hail(0.75)
The public reported dime size hail.									
Upson County									
5 SE Thomaston	04	1921EST 1924EST			0	0			Hail(0.75)
An amateur radio operator reported dime size hail.									
Upson County									
5 SE Thomaston	04	1921EST			0	0			Lightning
Two structural fires caused by lightning. Damage was unknown and there were no injuries reported.									
Forsyth County									
Countywide	04	1930EST 2030EST			0	0	250K		Lightning
The Forsyth county Emergency Management Director reported that twelve separate homes were set on fire by lightning across the county. One of the homes, a two-story fairly large home, was completely destroyed by the fire. The others sustained minor damage. No injuries were reported with the incidents.									
Forsyth County									
Cumming	04	1945EST			0	0	3K		Thunderstorm Wind
The Forsyth county 911 center reported that several trees and power lines had been blown down.									
Henry County									
Stockbridge to Locust Grove	04	2018EST 2039EST			0	0	12K		Thunderstorm Wind

Storm Data and Unusual Weather Phenomena

June 2002

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

The Henry county 911 center reported that numerous trees and power lines were blown down in Stockbridge and McDonough, with two trees down in Locust Grove.

Henry County

Ola to
Locust Grove

04	2020EST 2039EST				0	0			Hail(0.88)
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The Henry county 911 center and the public reported dime to nickel size hail in Locust Grove and Ola.

Butts County

Jackson

04	2030EST				0	0	10K		Thunderstorm Wind
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The Butts county 911 center reported that numerous trees and several power lines had been blown down.

Lumpkin County

Dahlonega

04	2040EST 2043EST				0	0			Hail(0.75)
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An amateur radio operator reported dime size hail.

Lumpkin County

Dahlonega

04	2040EST				0	0			Thunderstorm Wind (G53)^M
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An amateur radio operator measured thunderstorm wind gusts at 61 mph on his Peet Brother Weather Machine.

Rockdale County

Conyers

04	2053EST 2114EST				0	0			Hail(0.88)
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The Rockdale county 911 center reported nickel size hail.

Rockdale County

Conyers

04	2053EST 2114EST				0	0	2K		Thunderstorm Wind
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The Rockdale county 911 center reported that some trees were down.

Madison County

Danielsville

04	2220EST				0	0			Hail(1.00)
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The Madison county 911 center reported quarter size hail.

Madison County

Danielsville to
Hull

04	2220EST				0	0	0.50K		Thunderstorm Wind
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The Madison county 911 center reported that several tree limbs were blown off trees from Danielsville to Hull

Greene County

Greensboro

04	2244EST				0	0			Tstm Wind/Hail
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The Greene county 911 center reported that one tree was blown down.

Polk County

Cedartown

05	1732EST				0	0			Hail(0.75)
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A storm spotter reported dime size hail.

Floyd County

Rome

05	1800EST				0	2	10K		Lightning
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The Rome News Tribune reported that lightning struck three homes in the city of Rome. The lightning caused injury to a man and a boy at one residence as lightning entered through a window. Fires were started at the other two residences, but damage was reported to be minor.

Floyd County

Rome

05	1800EST				0	0	15K		Thunderstorm Wind
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The Floyd county 911 center reported that trees and power lines were blown down, especially in the Ridge Ferry Park area.. The Rome News Tribune reported that downed trees and power lines left 3700 people in the city without power through the evening

Floyd County

Rome

05	1800EST				0	0			Urban/Sml Stream Fld
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The Rome News Tribune reported that heavy rain caused minor street flooding in the city. A Bugar King restaurant was also forced to close when the kitchen became flooded during the heavy rain. However, it was reported to be caused by a leak and not ground level water.

Storm Data and Unusual Weather Phenomena

June 2002

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

Fannin County

Blue Ridge	05	1830EST			0	0	5K		Lightning
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The News Observer of Blue Ridge reported that lightning struck a home in Blue Ridge on Damascus Road. The lightning traveled through a copper water pipe to an adjacent electrical circuit. The electrical circuit was damaged and the entire house suffered light smoke damage from burning wires. At another residence, lightning struck a tree on Georgia Highway 5 in Blue Ridge. The tree was set on fire.

Fannin County

Mineral Bluff	05	1830EST			0	0	0.50K		Thunderstorm Wind
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The Fannin county 911 center reported that two trees were blown down.

Bartow County

Adairsville	05	1835EST			0	0	2K		Thunderstorm Wind
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The Rome News Tribune reported that trees were blown down in the Adairsville area. Consequently, a number of residents in the northern part of the county endured a power outage.

Bartow County

Adairsville	05	1835EST			0	0			Urban/Sml Stream Fld
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The Rome News Tribune reported minor street flooding in the Adairsville area.

Gordon County

Ranger	05	1840EST			0	0	1K		Thunderstorm Wind
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The Gordon county 911 center reported that some trees were blown down.

Whitfield County

Dalton	05	1950EST			0	0	35K		Thunderstorm Wind
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The Whitfield county 911 center and the Dalton Daily Citizen reported that a number of large trees were blown down or uprooted in the city, causing damage to several homes. A number of power lines were also brought down. One large tree fell on a home, another residence lost several trees causing only minimal damage to a home, and at yet another residence one large tree was uprooted in the back yard and front yard each. At another location, several very large trees fell on and leveled a trailer home. Power outages affected homes and business for many hours, up to 18 hours at one location, causing several businesses to close their doors for a time.

Lamar County

Barnesville to 10 N Barnesville	05	2030EST			0	0	2K		Thunderstorm Wind
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The public reported that trees were blown down at two separate locations in the county. In one instance there appeared to be a path of destruction to the trees. Some shingles were also blown off the roof and some yard items, such as a plastic swimming pool and barbeque grill were missing.

Gwinnett County

Dacula	06	1645EST			0	0	25K		Lightning
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The Gwinnett Daily Post reported that lightning set on fire and caused considerable damage to the attic of a home. The residents were not home at the time and no injuries were reported.

Whitfield County

Countywide	06	1700EST			0	0	75K		Thunderstorm Wind
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The Daily Citizen newspaper of Dalton reported that strong thunderstorms downed numerous trees and several power lines across the county. One home in Dalton sustained considerable damage as a large tree fell through the home essentially collapsing in one corner of the house. The majority of the downed trees and power lines were in the Beavertdale and Dawnville areas in the eastern portion of the county, with less damage in the Tunell Hill and Dalton areas. Approximately 1000 residents were without power for several hours, and about 100 residents remained without power well into the next day. Consequently, several businesses were forced to close for the next day. Power crews had difficulty restoring power to some locations because of tree debris blocking roads in some areas.

Murray County

Chatsworth to Carters	06	1730EST			0	0	50K		Thunderstorm Wind
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The Daily Citizen newspaper of Dalton reported that numerous trees and power lines were blown down across the southern portions of the county. In addition, a tree fell on a trailer home and a limb fell on a pickup truck on Georgia Highway 52. Approximately 1000 residences were left without power much of the evening and about 100 remained without power well into the next day. Consequently, several businesses were forced to close for the next day. Power crews had difficulty restoring power to some locations because of tree debris blocking roads.

Gwinnett County

Duluth	06	1820EST			0	0	50K		Lightning
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Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>GEORGIA, North and Central</u>									
The Gwinnett Daily Post reported that lightning struck and caused considerable damage to the second floor of a home. No injuries were reported.									
De Kalb County									
Decatur	06	1835EST			0	0			Urban/Sml Stream Fld
An amateur radio operator reported street flooding during a thunderstorm. The rainfall rate was reported to be at least 1 inch per hour at the time.									
Gwinnett County									
Snellville	06	1900EST			0	0	10K		Lightning
The Gwinnett Daily Post reported that lightning struck a home resulting in minor damage to the attic. Although the residents were home at the time, no injuries were reported. However, one firefighter was injured by falling debris and two others were injured when they fell through the ceiling.									
Bleckley County									
Goldsboro	07	1531EST			0	0	0.50K		Lightning
The Bleckley county 911 center reported that lightning struck and set a tree on fire.									
Peach County									
Byron	07	2130EST 2230EST			0	0			Flash Flood
The Peach county 911 center reported that several roads were flooded as drainage ditches overflowed in the far northwest part of the county between Byron and the Crawford county border.									
Crawford County									
7 NE Lee Pope	07	2140EST 2240EST			0	0			Flash Flood
The Crawford county 911 center reported that several roads were under water and impassible in the rural southeastern part of the county near the Peach county border. Radar estimates indicated that over 6 inches of rain had fallen in this area in less than a six hour period of time.									
Coweta County									
6 W Grantville	13	2000EST			0	0	0.50K		Thunderstorm Wind
The Coweta county 911 center reported that three to four trees were blown down on Corinth road in the extreme southwest part of the county near the Heard/Troup county border.									
Houston County									
Perry	14	1615EST 1620EST			0	0	5K		Thunderstorm Wind
The Houston county 911 center reported that several power lines were blown down in downtown Perry.									
Troup County									
1 W La Grange	18	1821EST			0	0	0		Thunderstorm Wind
The public reported that several tree limbs were down on a road just west of La Grange.									
Troup County									
5 W La Grange	18	1840EST			0	0	10K		Thunderstorm Wind
The Troup county 911 center reported that three trees were blown down, one which landed on a house and the other two on power lines.									
Bartow County									
Adairsville	20	1400EST			0	0	3K		Thunderstorm Wind
The Adairsville police department reported that several trees and some power lines were blown down.									
Fannin County									
10 NW Blue Ridge	20	1545EST			0	0			Hail(0.75)
The public reported dime size hail.									
Murray County									
Eton	20	1630EST 1649EST			0	0	120K	5K	Hail(1.75)
Several amateur radio operators and the public reported that hail, ranging in size from dimes to golf balls, fell from 10 to 12 minutes and accumulated up to four inches deep on the ground in some spots. The hail damaged several cars and roofs of homes. In addition, the hail stripped trees and damaged corn crops in the area.									
Murray County									
Eton	20	1630EST 1637EST			0	0	0		Thunderstorm Wind

Storm Data and Unusual Weather Phenomena

June 2002

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

Amateur radio operators reported that several tree limbs were blown down.

Muscogee County

Columbus	25	1625EST			0	0			Urban/Sml Stream Fld
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The Muscogee county 911 center reported that the 11th Street underpass was flooded from heavy rain during thunderstorms.

Carroll County

Villa Rica	27	1845EST			0	0	0.50K		Lightning
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The Carroll county Emergency Management Director reported that lightning struck a home causing minor damage as the lightning followed the electrical service line into the house as a conductive path.

Carroll County

Villa Rica	27	1845EST			0	0	1K		Thunderstorm Wind
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The Carroll county 911 center reported that a few trees were blown down.

Paulding County

Countywide	27	1925EST			0	0	5K		Thunderstorm Wind
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The Paulding county 911 center reported that several trees were down across the county.

Troup County

Hogansville	27	1930EST			0	0	3K		Thunderstorm Wind
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The public reported that thunderstorm winds caused roof and structural damage to a building, while the Troup county 911 center reported that three trees were blown down.

Fannin County

Blue Ridge	27	1940EST			0	0	0.50K		Thunderstorm Wind
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The Fannin county 911 center reported that two trees were blown down.

Coweta County

Sharpsburg	27	1945EST			0	0	2K		Tstm Wind/Hail
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An off duty National Weather Service employee reported that a single tree blew down during a thunderstorm wind gust landing on the house, a parked car, and simultaneously pulled down the power line into the house.

Clayton County

Jonesboro	27	1955EST			0	0			Tstm Wind/Hail
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The public reported that a tree was blown down.

Banks County

Hollingsworth	29	1635EST			0	0			Tstm Wind/Hail
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The Banks county 911 center reported pea size hail.

Upson County

Pickard to 10 W Atwater	30	1453EST			0	0			Hail(0.75)
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The Upson county 911 center reported dime size hail.

Washington County

Sandersville	30	1525EST			0	0	0.50K		Thunderstorm Wind
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The Washington county 911 center reported that two trees were down.

Houston County

Warner Robins	30	1645EST			0	0			Tstm Wind/Hail
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The public reported pea size hail.

Troup County

1 NE La Grange	30	1659EST			0	0			Tstm Wind/Hail
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The Troup county 911 center reported pea size hail.

Heard County

Corinth	30	1730EST 1800EST			0	0			Hail(1.75)
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The Heard county 911 center reported golf ball size hail.

Peach County

Ft Vly	30	1730EST			0	0			Hail(0.75)
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The Peach county 911 center reported dime size hail.

Storm Data and Unusual Weather Phenomena

June 2002

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

Peach County

Ft Vly	30	1730EST			0	0	0.50K		Thunderstorm Wind
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The Peach county 911 center reported that a few trees had been blown down.

Chattooga County

5 SSW Holland	30	1830EST			0	0	0.50K		Thunderstorm Wind
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The Chattooga county 911 center reported that a few trees were blown down on Georgia Highway 100 at Sprite in the extreme southern part of the county.

Gordon County

Calhoun	30	1830EST 1840EST			0	0			Hail(1.00)
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The Gordon county Emergency Manager reported dime to quarter size hail.

Walker County

La Fayette	30	1949EST			0	0	2K		Thunderstorm Wind
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The Walker county 911 center reported that some power lines were blown down.

Gwinnett County

Lawrenceville	30	2340EST			0	0	10K		Lightning
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The Gwinnett Daily Post Newspaper reported that lightning struck a two-story home. The lightning set a receptacle on fire in the basement. The fire was quickly put out, but caused minimal burn damage to one room in the basement. The remainder of the home suffered minor smoke damage. The homeowner was treated and released at a local hospital for smoke inhalation as he tried to fight the fire himself.

GEORGIA, Northeast

Rabun County

Tiger	04	1653EST			0	0			Hail(0.75)
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Rabun County

Tiger	04	1653EST 1703EST			0	0			Thunderstorm Wind (G50)
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A few trees were blown down.

Franklin County

1 W Royston	04	1835EST			0	0			Hail(1.00)
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Habersham County

3 SW Baldwin to Demorest	04	2005EST 2030EST			0	0			Hail(1.00)
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Habersham County

3 SW Baldwin to Demorest	04	2005EST 2030EST			0	0			Thunderstorm Wind (G50)
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Several trees were blown down.

Habersham County

Clarksville to Mt Airy	04	2100EST			0	0			Thunderstorm Wind (G50)
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Several trees were blown down.

Hart County

6 S Bowersville	04	2255EST			0	0			Thunderstorm Wind (G50)
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Some trees were blown down.

Franklin County

Carnesville	04	2300EST			0	0			Hail(0.75)
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Hart County

5 E Hartwell	04	2315EST			0	0	5K		Thunderstorm Wind (G50)
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A dock was damaged at Lake Hartwell. Several trees were also blown down.

Elbert County

Elberton	04	2330EST			0	0	1K		Thunderstorm Wind (G50)
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Some trees and powerlines were blown down.

Storm Data and Unusual Weather Phenomena

June 2002

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

Hart County

Bowersville	29	1835EST			0	0			Thunderstorm Wind (G50)
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Several large tree limbs were blown down.

GEORGIA, Southeast

GAZ087>088-099>101-114>119-137>141 **Jenkins - Screven - Candler - Bulloch - Effingham - Tattnall - Evans - Inland Bryan - Coastal Bryan - Inland Chatham - Coastal Chatham - Long - Inland Liberty - Coastal Liberty - Inland McIntosh - Coastal McIntosh**

01	0000EST				0	0			Drought
30	2359EST								

Generally, moderate to severe drought conditions continued over much of southeast Georgia. Rainfall for the month was above normal at the Savannah Airport, but most of the rain fell on a few days in scattered thunderstorms. Therefore, the area remained well below the normal on rainfall for the first half of the year.

Long County

4 SW Donald	03	1430EST			0	0			Thunderstorm Wind (G50)
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Several trees and large winds were blown down.

Long County

2 N Ludowici	03	1520EST			0	0			Thunderstorm Wind (G50)
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Wind knocked down several trees and large limbs which also brought down some power lines.

Chatham County

Pooler	07	1545EST			0	0			Thunderstorm Wind (G50)
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Several trees and limbs were down.

Liberty County

Midway	28	1725EST			0	0			Thunderstorm Wind (G50)
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Numerous trees were downed by high thunderstorm winds.

Bulloch County

5 E Statesboro	30	1615EST			0	0			Thunderstorm Wind (G50)
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Several large limbs and power lines were down.

Evans County

12 W Claxton	30	1710EST			0	0			Thunderstorm Wind (G50)
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Several trees and large limbs were down.

Tattnall County

3 W Glennville	30	1717EST			0	0			Thunderstorm Wind (G50)
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Several large limbs were downed along Georgia State Road # 144.

GEORGIA, Southwest

Ben Hill County

1 SE Fitzgerald	03	1915EST			0	0	3K		Thunderstorm Wind
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Trees and power lines down. Reported by the Ben Hill County Sheriff.

Worth County

5 W Sylvester	03	2130EST			0	0			Hail(0.75)
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Dime size hail reported by the Worth County Sheriff.

Quitman County

5 S Georgetown	04	1435EST			0	0			Hail(0.88)
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Nickel size hail fell on U.S. Highway 82. Reported by the Quitman County Sheriff.

Terrell County

Southwest Portion	04	1609EST			0	0	0.50K		Thunderstorm Wind
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A few trees down between State Highways 45 and 55 southwest of Dawson. Reported by the Terrell County Sheriff.

Grady County

11 WSW Cairo	04	1720EST			0	0	0.50K		Thunderstorm Wind
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A few downed trees reported by Decatur/Grady 911.

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>GEORGIA, Southwest</u>									
Decatur County									
1 N Bainbridge	04	1730EST			0	0	0.50K		Thunderstorm Wind
Several downed trees reported by Decatur/Grady 911.									
Mitchell County									
Northwest Portion	04	1830EST 1845EST			0	0	1K		Thunderstorm Wind
Several downed trees reported by the Mitchell County EMA.									
Decatur County									
Southeast Portion	04	1910EST			0	0	10K		Thunderstorm Wind
A shed was destroyed. Reported by Decatur County Fire Rescue.									
Lee County									
Countywide	07	1800EST 1900EST			0	0	5K		Flood
Some rural and county roads were closed by floodwaters from four inches of rain in a two-hour period. Reported by the Lee County EMA.									
Miller County									
Mayhaw	14	1540EST			0	0			Hail(0.75)
Dime size hail reported by the Miller County EMA.									
Miller County									
Mayhaw	14	1540EST			0	0	0.50K		Thunderstorm Wind
Several downed trees reported by the Miller County EMA.									
Miller County									
Colquitt	14	1550EST			0	0			Hail(0.75)
Dime size hail reported by the Miller County EMA.									
Miller County									
Colquitt	14	1550EST			0	0	0.50K		Thunderstorm Wind
Several downed trees reported by the Miller County EMA.									
Miller County									
Southeast Portion	14	1600EST 1610EST			0	0	1K		Thunderstorm Wind
Numerous downed trees reported by the Miller County EMA.									
Decatur County									
2 NW Bainbridge	14	1612EST			0	0	2K		Thunderstorm Wind
Several downed trees and power lines reported by the Decatur County Sheriff.									
<u>GULF OF MEXICO</u>									
GMZ54									
5 SW Big Pine Key	07	1820EST 1825EST			0	0			Waterspout
Waterspout reported by storm spotter 1 mile south of Summerland Key in Kemp Channel.									
GMZ555									
10 S Bay St. Louis	08	1200CST			0	0			Waterspout
The Coast Guard reported a waterspout between Grand Island and Malheureux Point.									
GMZ853									
.8 E St Petersburg Beach 1 ESE St Petersburg Bea	08	1430EST 1440EST			0	0			Waterspout
Waterspout over Boca Ciega Bay moved onshore as a tornado damaging 40 homes causing \$500,000 in damage.									
GMZ850									
Anclole Key	08	1500EST			0	0			Marine Tstm Wind (G34)
Three children and five adults were dumped into the water after a wave capsized their 16 foot boat. All were rescued by a 22 foot boat.									

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>GULF OF MEXICO</u>									
GMZ555 2 S Biloxi to 12 S Biloxi	08	1520CST 1555CST	Pascagoula Ms To Sw Pass Of Ms R Out 20Nm		0	0			Waterspout
			Several waterspouts and funnel clouds were observed by the Coast Guard and Sheriffs Office from just offshore Biloxi and Gulfport to near Ship Island.						
GMZ856 Charlotte Harbor	11	1647EST 1700EST	Bonita Beach To Englewood Fl Out 20Nm		0	0			Waterspout
			Waterspout moved onshore as a tornado 5 miles southwest of Port Charlotte.						
GMZ630 Point Clear	14	1455CST 1457CST	Mobile Bay		0	0			Marine Tstm Wind (G40)
			A wind gust of 40 knots was reported near the Fairhope Pier.						
GMZ655 Pensacola Beach	14	1515CST 1516CST	Destin To Pensacola Fl Out 20Nm		0	0			Marine Tstm Wind (G35)
GMZ650 10 S Perdido Key	14	1534CST 1537CST	Pensacola Fl To Pascagoula Ms Out 20Nm		0	0			Marine Tstm Wind (G40)
GMZ670 30 S Gulf Shores	14	1718CST 1719CST	Pensacola Fl To Pascagoula Ms 20 To 60Nm		0	0			Marine Tstm Wind (G40)
GMZ650 10 S Gulf Shores	14	1745CST 1747CST	Pensacola Fl To Pascagoula Ms Out 20Nm		0	0			Marine Tstm Wind (G40)
GMZ856 Bonita Beach	14	1748EST	Bonita Beach To Englewood Fl Out 20Nm		0	0			Marine Tstm Wind (G40)
			Coast Guard reported sustained wind at 35 knots with gusts to 40 knots near Fort Myers Beach.						
GMZ54 6 SW Key West	15	1154EST	W End Of The 7 Mile Bridge To Key W Out 20Nm		0	0			Marine Tstm Wind (G34)
			Wind gust 39 mph recorded at Sand Key CMAN.						
GMZ54 Key West	15	1157EST	W End Of The 7 Mile Bridge To Key W Out 20Nm		0	0			Marine Tstm Wind (G41)
			Wind gust 47 mph recorded at Key West International Airport.						
GMZ54 6 SW Key West	15	1221EST	W End Of The 7 Mile Bridge To Key W Out 20Nm		0	0			Marine Tstm Wind (G40)
			Wind gust 46 mph recorded at Sand Key CMAN.						
GMZ53 5 S Marathon	15	1326EST	Craig Key To The W End Of The 7 Mile Bridge Out 20Nm		0	0			Marine Tstm Wind (G41)
			Wind gust 47 mph recorded at Sombrero Key CMAN.						
GMZ335 13 N Texas City	16	0555CST	Galveston Bay		0	0			Marine Tstm Wind (G55)
			Measured at Mogans Point by PORTS.						
GMZ350 17 W Matagorda	16	0645CST	Freeport To Matagorda Ship Chnl Out 20Nm		0	0			Marine Tstm Wind (G39)
			Measured at PSX.						
GMZ355 1 S Galveston	16	0645CST	High Is To Freeport Tx Out 20Nm		0	0			Marine Tstm Wind (G44)
			Measured at North Jetty by PORTS. 43 knots measured at Jamaica Beach.						
GMZ53 4 S Marathon	16	2324EST	Craig Key To The W End Of The 7 Mile Bridge Out 20Nm		0	0			Marine Tstm Wind (G44)
			Wind gust to 51 mph recorded at Sombrero Key CMAN.						
GMZ31 7 NE Duck Key	17	0004EST	Florida Bay		0	0			Marine Tstm Wind (G38)

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>GULF OF MEXICO</u>									
									Wind gust 44 mph recorded at Long Key CMAN.
GMZ31									Florida Bay
Flamingo	17	0106EST			0	0			Marine Tstm Wind (G45)
									Wind gust 52 mph recorded at Flamingo HANDAR.
GMZ550									Sw Pass Of The Ms R To Atchafalaya R La Out 20Nm
20 S Venice	17	0401CST			0	0			Marine Tstm Wind (G52)
GMZ830									Tampa Bay
Old Tampa Bay	17	1112EST			0	0			Marine Tstm Wind (G35)
									Marine observation reported 35 knot gust and SKYWARN spotter at 150 feet AGL measured 50 mph wind on Bayshore Blvd.
GMZ853									Englewood To Tarpon Springs Fl Out 20Nm
Longboat Key	17	1735EST 1740EST			0	0			Waterspout
									Waterspout moved onshore then dissipated quickly causing no damage.
GMZ830									Tampa Bay
Lower Tampa Bay to Old Tampa Bay	18	0740EST			0	0			Waterspout
									Reported from the Mac Dill Air Force Base about 4 miles southeast of the base in Tampa Bay.
GMZ54									W End Of The 7 Mile Bridge To Key W Out 20Nm
3 SE Big Pine Key	18	0836EST 0856EST			0	0			Waterspout
									Waterspout reported 3 miles southeast of Big Pine Key by NWS employee and Bahia Honda State Park personnel.
GMZ53									Craig Key To The W End Of The 7 Mile Bridge Out 20Nm
5 S Marathon	18	0846EST			0	0			Marine Tstm Wind (G36)
									Wind gust 41 mph recorded at Sombrero Key CMAN.
GMZ75									Key W To Dry Tortugas Waters
3 SW Boca Grande	19	1513EST			0	0			Waterspout
									2 waterspouts near Boca Grande Channel reported by spotter.
GMZ630									Mobile Bay
Alabama Port	20	1300CST 1302CST			0	0			Marine Tstm Wind (G35)
GMZ52									Ocean Reef To Craig Key Fl Out 20Nm
7 S Key Largo	21	0645EST			0	0			Marine Tstm Wind (G34)
									Wind gust 39 mph recorded by Molasses Reef CMAN.
GMZ856									Bonita Beach To Englewood Fl Out 20Nm
San Carlos Bay	21	1641EST 1655EST			0	0			Waterspout
									Pilot reported waterspout. Exact location was not given and was estimated.
GMZ530									Lake Ponchartrain And Lake Maurepas
Mid Lke Pontchartrain	21	2015CST			0	0			Marine Tstm Wind (G34)
GMZ335									Galveston Bay
2 E Texas City	22	1230CST			0	0			Waterspout
GMZ650									Pensacola Fl To Pascagoula Ms Out 20Nm
10 S Gulf Shores	22	1800CST 1802CST			0	0			Marine Tstm Wind (G40)
GMZ655									Destin To Pensacola Fl Out 20Nm
Pensacola Beach	23	0635CST 0638CST			0	0			Waterspout
									A waterspout was reported just offshore of Fort Pickens. The waterspout dissipated over the Gulf.
GMZ650									Pensacola Fl To Pascagoula Ms Out 20Nm
10 E Gulf Shores	23	0715CST 0720CST			0	0			Waterspout
									A waterspout was reported over the Gulf of Mexico just southwest of Perdido Key. The waterspout dissipated over the open water.
GMZ555									Pascagoula Ms To Sw Pass Of Ms R Out 20Nm
10 S Biloxi	26	1438CST			0	0			Marine Tstm Wind (G44)

Storm Data and Unusual Weather Phenomena

June 2002

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

GULF OF MEXICO

GMZ555 10 S Biloxi			Pascagoula Ms To Sw Pass Of Ms R Out 20Nm		0	0	Marine Tstm Wind (G36)
	26	1452CST					
GMZ670 30 S Dauphin Island			Pensacola Fl To Pascagoula Ms 20 To 60Nm		0	0	Marine Tstm Wind (G40)
	26	1520CST 1524CST					
GMZ630 Point Clear			Mobile Bay		0	0	Marine Tstm Wind (G40)
	26	1615CST 1620CST					
GMZ575 45 E Venice			Pascagoula Ms To Sw Pass Of Ms R 20 To 60Nm		0	0	Marine Tstm Wind (G34)
	26	1730CST					
GMZ550 Grand Isle			Sw Pass Of The Ms R To Atchafalaya R La Out 20Nm		0	0	Marine Tstm Wind (G37)
	27	1834CST					
GMZ830 Lower Tampa Bay			Tampa Bay		0	0	Marine Tstm Wind (G37)
	28	1841EST 1855EST					
			Measured at coastal airport.				
GMZ853 St Petersburg Beach			Englewood To Tarpon Springs Fl Out 20Nm		0	0	Marine Tstm Wind (G40)
	28	1855EST 1905EST					
			Wind measured at C-cut of the Sunshine Skyway bridge.				
GMZ250 Port Aransas			Pt Aransas To Baffin Bay Tx Out 20Nm		0	0	Marine Tstm Wind (G60)
	28	2318CST					
			Wind 60G66knots				
GMZ370 60 S Freeport			Freeport To Matagorda Ship Chnl 20 To 60Nm		0	0	Marine Tstm Wind (G37)
	29	1000CST					
			Measured by 42019.				
GMZ335 25 SW Texas City			Galveston Bay		0	0	Marine Tstm Wind (G37)
	29	1241CST					
			Measured at Jamaica Beach.				
GMZ630 3 W Point Clear			Mobile Bay		0	0	Marine Tstm Wind (G40)
	29	1620CST 1625CST					
GMZ650 3 S Dauphin Island			Pensacola Fl To Pascagoula Ms Out 20Nm		0	0	Marine Tstm Wind (G40)
	29	1655CST 1657CST					

HAWAII

Hawaii County 9 SSE Volcano					0	0	Wild/Forest Fire
	01 21	0000HST 1700HST					
			The Kupukupu fire, named for the exotic fern that helped fuel the blaze, blackened about 3660 acres in the Holei Pali area of the Big Island of Hawaii. However, there were no serious injuries or property damage. The fire burned from May 17th through June 21st in Hawaii Volcanoes National Park. It was difficult to extinguish because of its remote location and because molten lava from Kilauea Volcano was acting as a continuous ignition source.				
			More than 140 federal firefighters battled the wildfire, with 80 of those from Arizona and California. Five charter and two Army helicopters assisted in battling the blaze with water drops. The national park's fire management officer estimated that firefighting costs would top \$1.5 million				
HIZ001-004-008			Kauai - North And East Hawaii Including Windward Kohala / Hamakua / Hilo / Puna - South Hawaii Including Kau		0	0	High Surf
	01 02	1600HST 1600HST					
			A storm low far south of the equator caused surf of 6 to 12 feet along the south-facing shores of Kauai and the Big Island of Hawaii. No serious injuries or property damage were reported.				

Storm Data and Unusual Weather Phenomena

June 2002

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

HIZ001-004-008 **Kauai - North And East Hawaii Including Windward Kohala / Hamakua / Hilo / Puna - South Hawaii Including Kau**

10	1000HST				0	0			High Surf
12	1600HST								

A trade wind swell produced surf of 6 to 10 feet along the east-facing shores of Kauai and the island of Hawaii. There were no reports of serious injuries or property damage.

HIZ001>006-008 **Kauai - Oahu - Maui - North And East Hawaii Including Windward Kohala / Hamakua / Hilo / Puna - Molokai - Lanai - South Hawaii Including Kau**

12	1000HST				1	1			High Surf
14	0200HST								

A storm low east of New Zealand generated surf of 6 to 12 feet along the south-facing shores of all the Hawaiian Islands. One man drowned at about 12:20 PM HST on June 13th near Koko Kai Beach Park south of Portlock on Oahu's southeast coast after being swept out to sea by high surf. Two women near the same area were rescued by lifeguards that day as well, with one of them almost drowning and being taken to Straub Hospital for treatment and observation. There were no reports of serious property damage.
M191W

IDAHO, Extreme Southeast

NONE REPORTED.

IDAHO, North

IDZ005>008 **Northern Clearwater Mountains - Southern Clearwater Mountains - Orofino / Grangeville Region - Lower Hells Canyon / Salmon River Region**

08	0800MST				0	0			Heavy Snow
	2200MST								

A powerful, late season snow storm brought heavy wet snow to the region, mainly for elevations above 4000 feet. Snow was reported as low as 3000 feet early Saturday. Total amounts ranged from 6 inches at Grangeville, to 8 inches at Hemlock Butte.

IDZ010 **Eastern Lemhi County**

18	1400MST				0	0			High Wind (G45)^M
	1500MST								

A strong surface pressure gradient and microbursts associated with convective showers brought strong winds to the area. The Salmon Airport observation and the Kriley Creek RAWS both reports wind gusts to 51 mph.

Idaho County

East Central Portion

22	1800MST				0	0			Flash Flood
	1900MST								

A slow moving thunderstorm dropped heavy rain south of Lolo Pass, near the town of Powell. A damage survey reported a culvert wash out and evidence of overland flooding. Rainfall estimates were over 2 inches with this storm.

IDAHO, Northwest

IDZ004 **Central Panhandle Mountains**

01	0000PST				0	0			Flood
07	1945PST								

The Saint Joe River at Saint Maries was already above its flood stage of 32.5 feet as the month of June began. The river had already crested at 34.3 feet on May 31. The river fell below its flood stage of 32.5 feet on June 7. This was considered a minor lowland flood with no structural damage.

IDZ001-004 **Northern Panhandle - Central Panhandle Mountains**

08	1200PST				0	0			Heavy Snow
09	0300PST								

Moisture wrapping around the north side of an upper level low pressure center south of Lewiston brought an unusually late heavy snow to the mountains of the central and northern Idaho panhandle at and above 5000 feet. Snowfall amounts with this storm include: Bear Mountain SNOTEL...14", Lost Lake SNOTEL...6", Sunset SNOTEL...6", Mosquito Ridge SNOTEL...6", Lookout SNOTEL...4", and Mica Creek SNOTEL...4".

Storm Data and Unusual Weather Phenomena

June 2002

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

Jefferson County

1 SW Roberts to 2 NE Roberts	01	1507MST 1515MST	2.5	70	0	0	60K		Tornado (F1)
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A tornado touched down just southwest of Roberts at 407 PM MDT near interstate 15 at exit 135. The tornado moved northeast through the town of Roberts damaging roofs, mobile homes, automobiles and downing large trees and utility poles. The damage path was between 25 and 75 yards wide and the tornado was on the ground for approximately 2.5 miles. A damage survey team estimated the tornado to be an F1 on the Fugita scale.

IDZ019-023

Upper Snake Highlands - Caribou Highlands

09	0001MST 1000MST				0	0			Heavy Snow
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A strong cold front brought heavy snow very late in the season to the Eastern Highlands of Idaho. 6 to 8 inches of snow fell in a swath from 2 to 10 miles north of Soda Springs. 6 inches fell in Wayan and 6 inches also fell 12 miles east of Driggs.

Bonneville County

Idaho Falls	15	1615MST 1620MST			0	0			Thunderstorm Wind (G50)
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A shed was blown onto interstate 15 near exit 113.

Bonneville County

4 SW Idaho Falls	15	1620MST 1625MST			0	0			Thunderstorm Wind (G50)
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1.5 inch tree branches snapped off trees.

Bonneville County

Ammon	26	1820MST 1840MST			0	0			Thunderstorm Wind (G55)
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Trees downed with roof torn off one house and power outages widespread in the town of Ammon.

IDAHO, Southwest

Valley County

10 E Warm Lake	21	1600MST 1630MST			0	0			Hail(1.00)
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Boise County

3 E Banks to 15 E Banks	21	1615MST 2000MST			0	0			Flash Flood
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Slow-moving thunderstorms intensified over the West Central Mountains dropping 1 inch diameter hail at the Landmark campgrounds, ten miles east of Warm Lake. Radar precipitation estimates of 3 to 4 inches of rain in 90 minutes were recorded near the Boise-Valley County line. Mudslides occurred on Highway 17, closing the road for several hours overnight. Mudslides also occurred at Kirkum campground near Lowman.

Twin Falls County

Twin Falls Arpt to 4 W Twin Falls	26	1458MST 1615MST			0	0			Thunderstorm Wind (G53)^M
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Jerome County

Jerome Co Arpt	26	1515MST 1530MST			0	0			Thunderstorm Wind (G54)^M
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Owyhee County

30 ESE Bruneau	26	1530MST			0	0			Thunderstorm Wind (G53)^M
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The airmass over Southwest Idaho was extremely warm and unstable, but moisture was limited as afternoon thunderstorms erupted. Dry thunderstorms produced outflow winds over 60 mph measured at the Twin Falls Airport, Jerome County Airport and at Twin Buttes RAWS observation site in northeast Owyhee County. Trees were blown down and irrigation equipment was damaged south of Twin Falls.

Elmore County

Glenns Ferry to Mountain Home	26	1550MST 1630MST			0	0			Thunderstorm Wind (G52)
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Gooding County

Gooding	26	1550MST 1630MST			0	0			Thunderstorm Wind (G52)
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Numerous thunderstorms developed across Gooding and Elmore Counties and moved northwest into Ada County on the afternoon of June 26th. Gooding County Sheriff's Office reported several trees and power lines down in Gooding. Elmore County Sheriff's Office

Storm Data and Unusual Weather Phenomena

June 2002

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

reported several trees and power lines down in the Glens Ferry and Mountain Home areas. The storm cell that caused damage in the Mountain Home area crossed into Ada County near the Boise Stage Stop where the highest wind gusts were measured at 46 mph.

Canyon County Parma

27	1840MST 1915MST				0	0			Thunderstorm Wind (G52)
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An area of thunderstorms intensified as it moved northward from northwest Owyhee County into Canyon County. A utility pole was blown down in Parma, taking down power lines.

Washington County 2 E Weiser to 10 NE Weiser

27	1950MST 2010MST				0	0	30K		Thunderstorm Wind (G60)
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On the evening of June 27th, thunderstorm winds toppled numerous trees and caused structural damage to several outbuildings and to six houses in Weiser, Idaho. A National Weather Service storm survey estimated wind speeds between 60 and 90 mph.

ILLINOIS, Central

ILZ036-040>041-047- 049>050

Fulton - Schuyler - Mason - Cass - Scott - Morgan

01 08	0000CST 0700CST				0	0			Flood
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The major river flooding continued into June along the lower portions of the Illinois River. The river flooding finally subsided on the 8th of June.

Menard County 2 N Petersburg to 2 W Greenview

01	0944CST 0947CST				0	0			Hail(0.75)
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Marshall County Henry to Lacon

04	1315CST 1320CST				0	0			Thunderstorm Wind (G50)
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Numerous tree limbs were blown down as well as a couple of large trees.

Stark County 1 NW Toulon

04	1330CST				0	0			Thunderstorm Wind (G50)
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Several large trees were blown down.

Marshall County Varna

04	1355CST				0	0			Hail(0.88)
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Knox County 1 N Gilson

04	1430CST 1530CST				0	0			Flash Flood
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Eight inches of water was flowing over Illinois Route 97 north of Gilson due to heavy rains in the area.

Fulton County Fairview

04	1524CST				0	0			Hail(0.75)
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Peoria County 1 W Bartonville

04	1609CST				0	0			Hail(2.00)
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Tazewell County Countywide

04	1618CST 1645CST				0	0			Thunderstorm Wind (G55)^M
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Numerous limbs and several trees were blown down countywide, especially in the Washington area

Woodford County Metamora

04	1640CST				0	0			Thunderstorm Wind (G55)
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Several large tree limbs were blown down around town.

McLean County Danvers

04	1652CST				0	0			Hail(0.75)
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Woodford County 1 S El Paso

04	1659CST				0	0			Hail(0.88)
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Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
ILLINOIS, Central									
Sangamon County									
Mechanicsburg	04	1745CST			0	0			Thunderstorm Wind (G50)
A large tree was blown over onto a house causing moderate damage. No injuries were reported.									
Champaign County									
Urbana	04	1756CST			0	0			Hail(0.88)
Scott County									
2 S Alsey	04	1800CST 1845CST			0	0			Flash Flood
One foot of water was flowing over Illinois Route 106 two miles south of Alsey due to heavy rains.									
Vermilion County									
Danville	04	1855CST 1900CST			0	0			Thunderstorm Wind (G50)
Several trees were blown down in town, as well as, tree limbs.									
Cumberland County									
Toledo to Union Center	04	1905CST 1925CST			0	0			Thunderstorm Wind (G55)
Several large trees were blown down as well as power lines and tree limbs. Also, northeast of Greenup a barn was destroyed. No injuries were reported.									
Clark County									
Casey to Martinsville	04	1930CST 1956CST			0	0			Thunderstorm Wind (G55)
Several trees and tree limbs were blown down. One fallen limb in Martinsville pulled power lines down. Three miles north of Casey, part of the roof of a hog containment building was blown off.									
Clark County									
Casey	04	1935CST			0	0			Hail(0.75)
De Witt County									
7 ENE Wapella	05	0345CST 0445CST			0	0			Flash Flood
Several roads had over 6 inches of water flowing over them after heavy rains fell in a short amount of time.									
Fulton County									
East Portion	11	1320CST 1500CST			0	0			Flash Flood
Several roads were covered with water for a brief time due to heavy rains. US Route 136 east of Table Grove, US Route 24 at the Fulton/Schuyler county line and Illinois Route 9 north of Checkrow were flooded.									
Schuyler County									
North Portion	11	1420CST 1600CST			0	0			Flash Flood
Several roads were covered with water due to heavy rains, including US Route 24 at the Fulton/Schuyler county line and US Route 67 between Littleton and Rushville.									
Scott County									
Winchester	11	1433CST			0	0			Thunderstorm Wind (G50)
Thunderstorm winds blew down several power lines in town.									
Morgan County									
1 W Murrayville	11	1439CST 1440CST	0.3	10	0	0	0		Tornado (F0)
An Illinois State Trooper saw a tornado briefly touch down in a field west of Murrayville. No injuries or damage were reported.									
Piatt County									
1 N Bement	11	1500CST			0	0			Thunderstorm Wind (G50)
Several trees were blown down north of Bement.									
Sangamon County									
West Portion	11	1500CST 1600CST			0	0			Flash Flood
Several roads were flooded due to heavy rains, including Old Jacksonville Road at Farmingdale Road									
Morgan County									
North Portion	11	1530CST 1630CST			0	0			Flash Flood

Storm Data and Unusual Weather Phenomena

June 2002

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

Several roads had water over them due to heavy rains, especially Illinois Route 78 north of Jacksonville and Old Route 36 near Jacksonville.

Christian County

North Portion

11	1600CST 1630CST				0	0			Flash Flood
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Several roads were flooded due to heavy rains, including County Road 24 northwest of Edinburg, Illinois Route 48 near Taylorville, and Illinois Route 29 south of Lake Taylorville.

Shelby County

1.5 NE Tower Hill to 1 NE Windsor

11	1602CST 1618CST				0	0			Thunderstorm Wind (G50)
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Numerous trees, tree limbs, power poles and power lines were blown down.

Cumberland County

3 SSW Neoga

11	1620CST				0	0			Thunderstorm Wind (G50)
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Several large trees were blown down onto US Route 45 south southwest of Neoga.

Effingham County

Altamont to Teutopolis

11	1620CST 1644CST				0	1			Thunderstorm Wind (G55)
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Numerous trees, tree limbs, and power lines were blown down in Altamont, Effingham, and Teutopolis. Some homes in Effingham sustained siding damage and a small shed was destroyed by a fallen tree. The roof of the junior high school in Teutopolis sustained minor damage. Also, a semi was blown over on southbound I-57 in Effingham. The driver sustained minor injuries.

Cumberland County

4 SE Neoga to 6 SE Neoga

11	1640CST 1643CST	2	50		0	0			Tornado (F0)
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A tornado touched down 4 miles southeast of Neoga. It damaged the roof of a house in this location. It then travelled to the east blowing down numerous trees. Before lifting and dissipating it caused minor damage to the roof of a mobile home. No injuries were reported.

Jasper County

Newton to 3 N Newton

11	1655CST 1700CST				0	0			Thunderstorm Wind (G50)
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Several trees and large tree limbs were blown down in the Newton area. Also, a couple of roofs sustained minor damage due to the fallen trees and tree limbs.

Scott County

1 W Oxville to Bluffs

12	0120CST 0300CST				0	0			Flash Flood
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Due to heavy rains in the area, Wolf Run Creek rapidly rose causing flooding in Bluffs. One home had a basement wall cave in and numerous others had water in their basements. One unoccupied car was flooded and destroyed. A set of railroad tracks in town had the soil washed out from underneath them and they had to be repaired. Also, Illinois Route 100 had large amounts of mud and debris washed over it near Oxville and in Bluffs. No injuries were reported.

Knox County

Galesburg to Williamsfield

12 13	2053CST 0230CST				0	0			Flash Flood
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Up to 4 inches of rain fell in an area from Galesburg to Dahinda to Williamsfield. Numerous roads were flooded including the intersection of Illinois Route 41 and Illinois Route 116, Illinois Route 180 north of Williamsfield, as well as, rural roads.

Fulton County

Countywide

12	2300CST 2350CST				0	0			Thunderstorm Wind (G61)
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Thunderstorm winds blew down numerous trees, tree limbs and power lines countywide. The hardest hit areas were around Smithfield, Cuba and Lewistown. One home sustained moderate roof damage due to a fallen tree. No injuries were reported.

Fulton County

1.2 NW Smithfield to 1.4 NE Smithfield

12	2320CST 2322CST	1.8	12		0	0			Tornado (F0)
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A tornado touched down 1.2 miles northwest of Smithfield at the west end of Stevens Road in a field. The tornado then briefly lifted before touching down once again in a field near Old Miller Lane. An unoccupied 15 foot travel trailer was picked up and destroyed. The tornado then lifted and dissipated. No injuries were reported.

Mason County

6 SE Forest City

13	0020CST				0	0			Thunderstorm Wind (G50)
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Two power poles were blown down across US Highway 136.

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>ILLINOIS, Central</u>									
ILZ027									
		Knox							
	13	0230CST 0830CST			0	0			Flood
									Road flooding persisted for a while even though the rain had tapered off.
Sangamon County									
Countywide	13	0305CST 1100CST			0	0			Flash Flood
									Due to heavy rains, numerous roads were flooded including the intersection of Illinois Route 125 and Illinois Route 97. Also, I-72 was flooded at the interchange with Illinois Route 4. Some flooding was reported in Farmingdale and Salisbury. Some basements in Pawnee were flooded.
Scott County									
South Portion	13	0438CST 0830CST			0	0			Flash Flood
									Due to heavy rains, numerous roads around the Alsey and Manchester areas were flooded, including the Illinois Route 267 viaduct in Manchester.
Shelby County									
Countywide	13	0454CST 1000CST			0	0			Flash Flood
									Numerous roads were flooded countywide, especially along Illinois Route 16 and Illinois Route 128 near Shelbyville
Christian County									
Countywide	13	0500CST 0900CST			0	0			Flash Flood
									Heavy rains caused flooding of numerous roads countywide, including Illinois Route 16 near Pana, Illinois Route 48 and Illinois Route 29. Numerous basements in the Pana area were flooded.
Fulton County									
Countywide	13	0504CST 0900CST			0	0			Flash Flood
									Heavy rains caused numerous roads to become flooded, including portions of Illinois Route 95, Illinois Route 41 and US Route 24.
Schuyler County									
4 N Rushville	13	0506CST 0700CST			0	0			Flash Flood
									US Route 67 north of Rushville was briefly flooded due to heavy rains.
Mason County									
Countywide	13	0700CST 0900CST			0	0			Flash Flood
									Numerous rural roads were flooded due to heavy rains.
Coles County									
Countywide	13	0730CST 0930CST			0	0			Flash Flood
									Several roads countywide were briefly flooded due to heavy rains.
Coles County									
1 NW Mattoon	24	1530CST			0	0			Hail(0.75)
Champaign County									
Ivesdale	24	1730CST			0	0			Thunderstorm Wind (G50)
									A 16 inch diameter tree was snapped off due to thunderstorm winds.
Morgan County									
Chapin	25	1700CST			0	0			Thunderstorm Wind (G50)
									Several trees were blown down, as well as a power pole. One of the fallen trees caused minor roof damage to a home.
Logan County									
Burton View	25	1718CST			0	0			Thunderstorm Wind (G50)
									A large tree was blown down across Illinois Route 10 near Burton View.
Marshall County									
Lacon	25	1723CST			0	0			Hail(0.75)
Marshall County									
1 S Lacon	25	1740CST			0	0			Thunderstorm Wind (G50)
									A roof of a building sustained minor damage and several trees were blown down.

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>ILLINOIS, Central</u>									
Stark County									
5 W Bradford to 2.5 SW Bradford	25	1740CST 1745CST			0	0			Thunderstorm Wind (G50)
A large tree was blown down on Illinois Route 93, as well as several small trees. A couple of power lines were blown down on the Castleton Blacktop southwest of Bradford.									
Peoria County									
Monica	25	1825CST			0	0			Thunderstorm Wind (G50)
A tree was blown over onto Illinois Route 90.									
Woodford County									
Metamora to Roanoke	25	1834CST 1900CST			0	0			Thunderstorm Wind (G50)
Several trees, tree limbs and power lines were blown down. A small shed was destroyed in Roanoke.									
Woodford County									
Minonk	26	0030CST 0630CST			0	0			Flash Flood
Almost 5 inches of rain fell in Minonk in a short amount of time. It caused numerous streets and basements in town to be flooded. No injuries were reported.									
Jasper County									
St Marie	27	1420CST			0	0			Hail(1.00)
Jasper County									
St Marie	27	1420CST			0	0			Thunderstorm Wind (G50)
Several large trees were blown over and minor siding damage occurred on a couple of homes.									
<u>ILLINOIS, Northeast</u>									
Lake County									
Buffalo Grove	03	1600CST			1	1			Lightning
Two men were struck by lightning on a ball field in Buffalo Grove. One man survived, but the second man died from his injuries two days later. M47BF									
Winnebago County									
Rockford	03	1810CST			0	0			Hail(0.75)
Lee County									
Countywide	03	1840CST 1900CST			0	0			Thunderstorm Wind (G50)
De Kalb County									
De Kalb	03	1856CST 1858CST			0	0			Thunderstorm Wind (G52)^M
De Kalb County									
De Kalb	03	1900CST 2100CST			0	0			Urban/Sml Stream Fld
Kane County									
Aurora	03	1910CST 1919CST			0	0			Thunderstorm Wind (G51)^M
Du Page County									
Darien	03	2005CST			0	0			Hail(0.88)
A line of severe thunderstorms moved across northern Illinois during the evening hours of June 3rd. The thunderstorms blew down trees and power lines across much of Lee county. A two foot diameter tree was blown down in De Kalb in Dekalb county and trees were blown down in Aurora in Kane county. On the west side of De Kalb in Dekalb county, several streets had minor flooding due to heavy rainfall.									
Lee County									
Countywide	04	0200CST 0700CST			0	0			Flash Flood
Ogle County									
Countywide	04	0200CST 0700CST			0	0			Flash Flood

Storm Data and Unusual Weather Phenomena

June 2002

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

La Salle County

Northwest Portion	04	0300CST 0700CST			0	0			Flash Flood
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Winnebago County

Countywide	04	0300CST 0700CST			0	0			Flash Flood
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ILZ003>006-008-010>014-019 Winnebago - Boone - Mchenry - Lake - Ogle - Lee - De Kalb - Kane - Du Page - Cook - La Salle

04	0700CST 1400CST			0	0			Flood
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Very heavy rain began falling early in the morning on June 4th and by dawn, significant flooding was widespread across north central Illinois. Several roads were closed as flood waters flowed across them for hours. Though no roads were reported washed out, shoulders of some roads were washed out. Cars became stranded in flood waters and three families had to be rescued from flood waters in Ogle county. Rivers, streams and creeks quickly flowed over their banks flooding basements, parking lots, parks and farmland. Some storm total rainfall amounts include 6.46 inches in Dixon, 5.50 inches in Paw Paw, and 4.74 inches in Amboy, all in Lee county; 6.04 inches at Rockford Airport in Winnebago county; 5.21 inches in Polo, 5.14 inches in Lindenwood, and 4.34 inches in Rochelle, all in Ogle county; and 2.45 inches in Mendota in La Salle county

Although the worst flooding occurred across north central Illinois, minor flooding was reported across all of northern Illinois through early afternoon on June 4th. Most flooding was due to streams, creeks and drainage ditches overflowing their banks with some road flooding also reported. Some additional rainfall reports include 5.31 inches in Belvidere in Boone county; 4.68 inches in De Kalb in Dekalb county; 4.46 inches in Elgin in Kane county; 3.78 inches in Barrington in Cook county, 3.58 inches in Crystal Lake in Mc Henry county and 2.85 inches in Plano in Kendall county.

La Salle County

Mendota	04	1208CST			0	0			Thunderstorm Wind (G50)
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Kane County

Sugar Grove	04	1217CST			0	0			Thunderstorm Wind (G50)
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Kendall County

Yorkville	04	1217CST			0	0			Thunderstorm Wind (G50)
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Cook County

Chicago	04	1300CST			0	0			Thunderstorm Wind (G50)
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La Salle County

Streator	04	1300CST			0	0			Thunderstorm Wind (G50)
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Du Page County

Darien	04	1310CST			0	0			Hail(0.88)
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Livingston County

1 W Ancona to Ancona	04	1354CST 1400CST	2	50	0	0			Tornado (F0)
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Iroquois County

Ashkum	04	1400CST			0	0			Thunderstorm Wind (G50)
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Livingston County

Manville	04	1416CST 1419CST	1	50	0	0			Tornado (F0)
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Livingston County

Ancona	04	1520CST			0	0			Thunderstorm Wind (G50)
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Severe thunderstorms developed over northern Illinois during the early afternoon hours of June 4th and moved southeast. Numerous trees, large limbs, and power lines were blown down, in addition to a few reports of large hail. One thunderstorm moved east across northern Livingston county and produced a tornado near Ancona. The same thunderstorm produced a second tornado near Manville. Both tornadoes were weak (F0) and touched down in fields, with no damage or injuries reported from either tornado. Outflow from these thunderstorms destroyed four farm buildings near Ashkum in Iroquois county.

Iroquois County

Sheldon	04	1930CST			0	0			Thunderstorm Wind (G50)
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Two farm buildings near Sheldon were damaged.

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>ILLINOIS, Northwest</u>									
Rock Island County									
1 W Andalusia	03	1720CST			0	0			Hail(1.00)
Rock Island County									
Milan	03	1805CST			0	0			Urban/Sml Stream Fld Water up to the curb on some streets.
Stephenson County									
5 W Freeport	03	1810CST			0	0			Urban/Sml Stream Fld Water in a few fields, and some ditches full of water.
Whiteside County									
Morrison	03	2100CST			0	0			Urban/Sml Stream Fld Several streets with water up to the curb.
Whiteside County									
3 E Morrison	03	2200CST 2300CST			0	0			Flash Flood Train bridge at Lyndon Road buckled due to high water.
Jo Daviess County									
Galena	03 04	2330CST 0200CST			0	0			Flash Flood Recreation park completely under water. Several homes with basements flooded and nearly 2 feet of water surrounding them. Floodgates closed with snowplows due to debris. Debris over many streets. Some streets washed out in spots. Hughlett's Branch flooded. 4.5 inches of rain occurred in 2 hours.
Stephenson County									
Freeport	04	0030CST			0	0			Urban/Sml Stream Fld Ponding of water on many roadways.
Stephenson County									
Pearl City	04	0200CST 0500CST			0	0			Flash Flood Several basements flooded and some roads closed due to high water.
Whiteside County									
Morrison	04	0325CST 0600CST			0	0			Flash Flood Heavy rain resulted in a mudslide which closed portions of Highway 30 east of Morrison.
Carroll County									
7 N Mt Carroll	04	0800CST 1230CST			0	0			Flash Flood Plum River flooding parts of 2 roads.
Carroll County									
Mt Carroll	04	0825CST 1230CST			0	0			Flash Flood Water covering roads around and west of Mt. Carroll.
Henry County									
3 W Geneseo	04	0826CST			0	1			Lightning Lightning struck a semi truck on Interstate 80. The driver of the truck received minor burns to his right side.
Stephenson County									
Freeport	04	0845CST 1230CST			0	0			Flash Flood Creek in Taylor Park out of it's banks.
Henry County									
Kewanee	04	1220CST 1500CST			0	0			Flash Flood Mill Creek out of it's banks onto city roads. Water estimated to be about 6 inches deep in some areas.
Bureau County									
Princeton	04	1230CST 1530CST			0	0			Flash Flood Route 26 north of Princeton covered in water around a foot deep in places. Many other roads north of Princeton inundated with water.

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>ILLINOIS, Northwest</u>									
Henry County									
Atkinson	04	1300CST 1630CST			0	0			Flash Flood
Water over low lying portions of many streets.									
Henry County									
North Portion	04	1300CST 1700CST			0	0			Flash Flood
Portions of Route 6 under water. Several small creeks out of their banks.									
Henry County									
Galva	04	1400CST 1700CST			0	0			Flash Flood
Water up to a foot deep covered Highway 34.									
Stephenson County									
Pearl City	04	1400CST 1700CST			0	0			Flash Flood
Busch Road washed out and needed repairs to reopen. Loran Road inundated with high water and closed.									
Whiteside County									
3 N Fulton	04	1433CST 1700CST			0	0			Flash Flood
Six houses affected by flood waters due to breaks in a levee on Otter Creek.									
Mcdonough County									
Blandinsville	04	1454CST			0	0			Hail(1.00)
Whiteside County									
2 S Morrison	04	1500CST 1700CST			0	0			Flash Flood
Spring Valley Road closed south of Morrison.									
Heavy rains which fell during the first week of June caused significant flash flooding rivaling that caused by storms during the summer of 1993. The counties hit hardest were Whiteside, Carroll, Bureau, Jo Daviess and Stephenson where storm total rainfall amounts were as high as 6 to 10 inches. This heavy rain resulted in widespread and significant flash flooding and river flooding. The Rock River reached record flood levels near Joslin, while at Moline the second highest crest was recorded. Flash flooding caused significant property damage to homes and businesses. Damage was also significant to farm land and public property including roads, parks and utilities. Public property damage in Northwest and West Central Illinois due to the flooding was around \$3 million dollars.									
Mercer County									
Aledo	10	1500CST			0	0			Thunderstorm Wind (G57)
A wooden swingset was blown over, and a trampoline was picked up and blown into a field.									
Mercer County									
Sherrard	10	1540CST			0	0			Thunderstorm Wind (G52)
Trees down.									
Stephenson County									
Freeport	10	1705CST			0	0			Thunderstorm Wind (G52)
Stephenson County									
2 NE Lena	10	1712CST			0	0			Thunderstorm Wind (G52)
Stephenson County									
Freeport	10	1730CST			0	0			Thunderstorm Wind (G52)
Bureau County									
Tiskilwa	11	0552CST			0	0			Thunderstorm Wind (G52)
Large tree blown over onto a road.									
Mcdonough County									
Macomb	11	1301CST 1547CST			0	0			Flash Flood
Two inches of rain fell in just under 2 hours, resulting in flash flooding. Water covered several city streets and was up to the fenders on some automobiles.									

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>ILLINOIS, Northwest</u>									
Hancock County									
Countywide	11	1435CST 1700CST			0	0			Flash Flood
Many roads throughout the county were covered with water. Also, several creeks and streams were forced out of their banks.									
Mcdonough County									
Countywide	11	1435CST 1700CST			0	0			Flash Flood
Several rural roads throughout the county were covered with water up to a foot deep and were impassable.									
Mercer County									
Matherville	12	1855CST			0	0			Hail(2.00)
Henderson County									
Oquawka	12	1916CST			0	0			Hail(0.75)
Mercer County									
North Henderson	12	1935CST			0	0			Hail(1.75)
Mercer County									
Aledo	12	2006CST			0	0			Hail(1.00)
Henderson County									
Countywide	12 13	2225CST 0100CST			0	0			Flash Flood
Portions of Highway 34 and sections of Route 116 between Media and Stronghurst under water. Numerous county roads at least 6 inches under water.									
Warren County									
Smithshire	12 13	2245CST 0200CST			0	0			Flash Flood
Residence surrounded by high water. Smithshire blacktop county road under water.									
Warren County									
4 N Monmouth	13	0100CST 0330CST			0	0			Flash Flood
Highway 67 closed due to high water.									
Warren County									
Alexis	13	0430CST 0700CST			0	0			Flash Flood
Several city roads closed due to high water.									
Henderson County									
Countywide	13	0450CST 0730CST			0	0			Flash Flood
Numerous county roads closed due to flood waters. Also, 4 feet of water reported around a home in Stronghurst.									
Warren County									
2 E Monmouth	13	0500CST 0730CST			0	0			Flash Flood
Highway 164 covered with water 6 to 12 inches deep.									
Hancock County									
Carthage	13	0505CST 0800CST			0	0			Flash Flood
Flood water debris blocking many county roads.									
Hancock County									
5 S Nauvoo	13	0505CST 0800CST			0	0			Flash Flood
Portions of a blacktop road between Nauvoo and Hamilton covered with 6 inches of water.									
Mcdonough County									
3 E Good Hope	13	0510CST 0800CST			0	0			Flash Flood

Storm Data and Unusual Weather Phenomena

June 2002

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

Water covered Route 9 making it impassable in spots.

Mcdonough County
Prairie City

	13	0510CST 0800CST			0	0			Flash Flood
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Route 41 closed due to high water.

Hancock County
La Harpe

	13	0550CST 0800CST			0	0			Flash Flood
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Several roads in and around town closed due to flood waters.

A nearly stationary front, combined with abundant moisture and a strong upper level storm system to produce scattered strong to severe thunderstorms Wednesday evening. A few reports of hail to near golfball size and wind gusts of around 60 mph were received. Damage was confined mainly to trees and power lines. The thunderstorms continued through the late evening and into Thursday morning. During this time the threat shifted from hail and high wind to very heavy rain and flash flooding, as the thunderstorms continuously developed over some of the same areas. Rainfall amounts of up to 3 to 5 inches were reported in portions of West Central Illinois, an area which just 48 hours earlier received anywhere from 2 to 5 inches of rain. As a result, much of the heavy rain went into runoff resulting in fairly widespread flash flooding.

Henry County
Cambridge

	25	1630CST			0	0			Thunderstorm Wind (G52)
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Power lines and large tree branches knocked down.

Bureau County
1 E Neponset

	25	1700CST			0	0			Thunderstorm Wind (G57)
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Large tree blown over onto a home.

Rock Island County
5 W Andalusia

	26	1840CST			0	0			Hail(0.75)
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ILLINOIS, South

ILZ092>093

Alexander - Pulaski

	01	0001CST			0	0			Flood
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	02	1400CST							
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The Ohio River fell below flood stage at Cairo and Grand Chain for the first time since late April.

ILZ084

Jackson

	01	0001CST			0	0			Flood
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	03	0900CST							
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The Big Muddy River fell below flood stage at Murphysboro for the first time since mid April.

ILZ083

White

	01	0001CST			0	0			Flood
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		1700CST							
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The Little Wabash River fell below flood stage at Carmi for the first time since early May.

Wayne County
3 SE Barnhill

	11	1750CST			0	0			Thunderstorm Wind (G50)
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About a dozen trees were blown down near Interstate 64.

ILZ084

Jackson

	15	0900CST			0	0			Flood
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	17	1500CST							
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The Big Muddy River went slightly above flood stage at Murphysboro for a couple of days. The crest was only a few inches above flood stage, which caused minor flooding of low-lying areas along the river. The high water was mainly backwater from the Mississippi River, which was near flood stage.

Franklin County
1 E Whittington

	24	1945CST			0	0			Thunderstorm Wind (G50)
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Trees were blown down in an area about one square mile.

Franklin County
Whittington

	27	1545CST			0	0	2K		Hail(0.88)
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Storm Data and Unusual Weather Phenomena

June 2002

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

Hail damaged at least one vehicle on Interstate 57 near the Sesser exit.

Wayne County

Fairfield	27	1552CST			0	0			Hail(0.75)
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Perry County

Pinckneyville to Du Quoin	27	1738CST 1845CST			0	0			Flash Flood
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Franklin County

Countywide	27	1800CST 1910CST			0	0	75K		Flash Flood
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Jefferson County

Waltonville to Scheller	27	1800CST 1910CST			0	0			Flash Flood
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A slow-moving complex of thunderstorms with torrential rain caused major problems over much of Franklin County, especially at Benton and West City. Firefighters rescued an elderly woman who needed assistance getting out of rising floodwater in her cellar. The water was about 18 inches deep when she was rescued. In another incident in Franklin County, sheriff deputies aided a woman whose car was swept off Highway 37. The car was swept into a flooded ditch, and ropes were used to get the woman to safety. Flooded streets, yards, and basements were common in Benton and West City. Some of the streets were closed, and several motorists became stranded while trying to drive through flooded areas. No injuries were reported after the roof of a fireworks tent collapsed from the weight of the water. Minor to moderate street flooding was reported in DuQuoin in Perry County. Near Waltonville in Jefferson County, water was over Route 148. An observer reported 3.11 inches of rain near Scheller in Jefferson County.

ILLINOIS, Southwest

St. Clair County

East St Louis	10	1530CST			0	0			Thunderstorm Wind (G55)
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Thunderstorm winds damaged large trees and some vehicles in a 20 block area between 69th and 89th street and north of State Street.

St. Clair County

Belleville	10	1530CST			0	1			Lightning
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A man suffered minor injuries from a lightning strike. The lightning apparently struck a power pole he was walking by. He suffered minor bruises and burns on his neck. Power was knocked out to several nearby businesses.

Bond County

Central Portion	10	1700CST 1900CST			0	0			Flash Flood
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About 3 inches of rain fell in about one hour causing some flash flooding in the Greenville area. Numerous roads in Greenville became impassable.

Pike County

Barry	11	1410CST			0	0			Thunderstorm Wind (G55)
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Pike County

Griggsville	11	1420CST			0	0			Thunderstorm Wind (G55)
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Local law enforcement reported trees down in a 15 mile path from Barry to Griggsville.

Pike County

Rockport	11	1415CST	0.7	60	0	0			Tornado (F0)
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A small tornado hit the south side of the Rockport area. The roof of the Post Office was heavily damaged and several trees were downed.

Brown County

Versailles	11	1415CST			0	0			Thunderstorm Wind (G55)
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Thunderstorm wind gusts downed trees and power lines.

Greene County

Hillview	11	1435CST			0	0			Thunderstorm Wind (G55)
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Thunderstorm wind gusts downed large trees and damaged a machine shed.

Greene County

White Hall	11	1445CST			0	0			Thunderstorm Wind (G55)
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Thunderstorm wind gusts downed trees and power lines.

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>ILLINOIS, Southwest</u>									
Macoupin County									
Carlinville	11	1510CST			0	0			Thunderstorm Wind (G60)
Macoupin County									
Brighton	11	1515CST			0	0			Thunderstorm Wind (G55)
Macoupin County									
4 E Carlinville	11	1515CST			0	0			Thunderstorm Wind (G55) The County sheriff reported trees down and several billboards down in Carlinville and east of town. Trees were also reported down in Brighton.
Madison County									
Edwardsville	11	1520CST			0	0			Thunderstorm Wind (G60)
Madison County									
Troy	11	1530CST			0	0			Thunderstorm Wind (G61) Thunderstorm wind gusts downed numerous trees and power lines in Edwardsville. Several automobiles were damaged by falling trees. Weather spotters estimated 70 mph wind gusts near Troy.
Montgomery County									
Litchfield	11	1535CST			0	0			Thunderstorm Wind (G55)
Montgomery County									
Hillsboro	11	1539CST			0	0			Thunderstorm Wind (G55) Thunderstorm wind gusts downed trees in Litchfield and Hillsboro. Downed trees blocked Highway 27 in Hillsboro.
Bond County									
Greenville	11	1545CST			0	0			Thunderstorm Wind (G55) Thunderstorm wind gusts down some trees on the south side of town.
St. Clair County									
Lebanon	11	1545CST			0	1			Thunderstorm Wind (G55)
St. Clair County									
Belleville	11	1550CST			0	0			Thunderstorm Wind (G55)
St. Clair County									
Millstadt	11	1555CST			0	0			Thunderstorm Wind (G55) Thunderstorm wind gusts downed trees and power lines throughout the area. In Lebanon, a tree fell on a car on Route 4 causing minor injuries to the driver. Large trees, estimated to be 50 years old, were uprooted in Millstadt. Trees and power lines were reported down in several parts of Belleville.
Madison County									
Highland	11	1550CST			0	0			Thunderstorm Wind (G55) Thunderstorm winds uprooted trees, downed large limbs, and pulled down power lines in Highland.
Clinton County									
Trenton	11	1555CST			0	0			Thunderstorm Wind (G55) Storm spotters reported numerous large trees limbs and some power lines down.
Fayette County									
Ramsey	11	1600CST			0	0			Thunderstorm Wind (G60)
Fayette County									
8 NE Ramsey to Ramsey	11	1610CST			0	0			Thunderstorm Wind (G60) Numerous trees and power lines were downed from Ramsey northeast to the Henick community. Some roads were blocked by the downed power lines.
Fayette County									
8 NW Vandalia to 6 NW Vandalia	11	1600CST 1604CST	2.5	50	0	0			Tornado (F0) A small tornado hit northwest of Vandalia. A couple of machine sheds were damaged and one two-story home suffered roof damage. Several trees were downed along the path as well.
Fayette County									
3.5 E Vandalia to 4.5 E Vandalia	11	1605CST 1606CST	0.7	40	0	0			Tornado (F0)

Storm Data and Unusual Weather Phenomena

June 2002

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

A small tornado formed just east of Vandalia. Several power poles and trees were downed by the tornado. There were no structures in the path.

Clinton County

Carlyle	11	1610CST			0	0			Thunderstorm Wind (G55)
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The County Sheriff reported numerous trees and power lines down.

Fayette County

4 S Vandalia	11	1610CST			0	0			Thunderstorm Wind (G55)
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Fayette County

Brownstown	11	1615CST			0	0			Thunderstorm Wind (G55)
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Numerous trees and power lines were downed south of Vandalia and in the Brownstown area.

Fayette County

Wrights Corner	11	1615CST			0	0			Thunderstorm Wind (G55)
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The County Sheriff reported trees down.

Marion County

1 E Kinmundy	11	1640CST			0	0			Thunderstorm Wind (G60)
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The County Sheriff reported the roof of a home damaged just east of Kinmundy.

Adams County

Camp Pt	25	1435CST			0	0			Hail(0.75)
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Adams County

Camp Pt	25	1435CST			0	0			Thunderstorm Wind (G52)
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Storm spotters reported large trees down and 3/4 inch hail.

Marion County

3 E Centralia	25	1730CST			0	0			Thunderstorm Wind (G52)
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Thunderstorm winds caused some damage in a neighborhood east of Centralia. A storage building was destroyed and some power lines downed.

INDIANA, Central

Vermillion County

2 E Dana	01	1930EST			0	0			Hail(1.75)
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Golfball size hail reported.

Clay County

2 N Brazil	01	2014EST			0	0			Hail(0.75)
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Dime size hail reported.

Owen County

Spencer	01	2059EST			0	0			Thunderstorm Wind (G50)
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Trees were down.

Daviess County

Elnora	02	1634EST			0	0			Thunderstorm Wind (G50)
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Trees were reported down.

Tipton County

1 W Tipton	03	0634EST 0637EST			0	0			Hail(1.75)
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Golfball size hail was reported.

Tippecanoe County

4 NE Lafayette	04	2013EST			0	0	20K		Thunderstorm Wind (G55)
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Fountain County

Hillsboro	04	2014EST 2015EST			0	0			Thunderstorm Wind (G50)
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Tippecanoe County

8 N Lafayette	04	2015EST			0	0	200K		Thunderstorm Wind (G55)
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Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<u>INDIANA, Central</u>									
Warren County Williamsport	04	2015EST			0	0			Thunderstorm Wind (G55)
Tippecanoe County 2 W West Lafayette	04	2020EST			0	0			Thunderstorm Wind (G50)
Montgomery County 8 S Crawfordsville	04	2035EST			0	0			Thunderstorm Wind (G50)
Fountain County 10 S Veedersburg	04	2040EST 2042EST			0	0			Thunderstorm Wind (G50)
Carroll County 3 NE Pymont	04	2050EST			0	0			Thunderstorm Wind (G80) ^M
Clinton County 1 S Rossville	04	2052EST			0	0			Thunderstorm Wind (G50)
Carroll County Cutler	04	2105EST			0	0			Thunderstorm Wind (G50)
Boone County Lebanon	04	2109EST			0	0			Thunderstorm Wind (G50)
Hendricks County North Salem	04	2110EST			0	0			Thunderstorm Wind (G50)
Howard County Russiaville	04	2120EST			0	0			Thunderstorm Wind (G50)
Tipton County 5 W Tipton	04	2123EST			0	0	100K		Thunderstorm Wind (G50)
Putnam County Carpentersville	04	2130EST			0	0			Thunderstorm Wind (G50)
Hamilton County Carmel	04	2158EST 2200EST			0	0			Thunderstorm Wind (G50)
Marion County 6 NNW Speedway to 6 NNE Speedway	04	2158EST 2200EST			0	0			Thunderstorm Wind (G50)
<p>A squall line moved across west central and central Indiana knocking down numerous trees. In addition, 2 semi's were overturned 8 miles north of Lafayette, 2 cars were overturned 4 miles northeast of Lafayette, a semi was overturned 5 miles west of Tipton, 2 barns were blown down at North Salem in Hendricks county and a 92 mph gust was measured 3 miles northeast of Pymont in southwest Carroll county.</p>									
Morgan County 6 SW Martinsville	05	1150EST 1152EST			0	0			Thunderstorm Wind (G50)
<p>Trained spotter reported nine trees down.</p>									
Johnson County 1 NW Franklin	05	1225EST			0	0			Thunderstorm Wind (G50)
<p>Law enforcement report two trees down.</p>									
Randolph County Farmland	05	1251EST 1253EST			0	0			Hail(1.75)
<p>Trained spotter reported golfball size hail.</p>									
Hendricks County Plainfield	09	1320EST			0	0	80K		Lightning
<p>Lightning struck a bank.</p>									
Greene County Linton	13	0800EST			0	0	10K		Thunderstorm Wind
<p>A pole barn was blown down, damaging some of the machinery inside.</p>									

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>INDIANA, Central</u>									
Hamilton County 5 W Noblesville	15	1730EST			0	0	60K		Lightning
									Lightning struck a house.
Putnam County Greencastle	15	1734EST			0	0			Thunderstorm Wind (G50)
Hamilton County Carmel	15	1740EST			0	1			Lightning
									Lightning struck a man in a parking lot.
Marion County 5 NE Speedway	15	1742EST			0	0			Thunderstorm Wind (G50)
Hendricks County Amo	15	1746EST			0	0			Thunderstorm Wind (G50)
Morgan County Mooresville	15	1757EST			0	0			Thunderstorm Wind (G50)
Owen County Devore	15	1800EST			0	0			Thunderstorm Wind (G50)
Brown County 3 N Bean Blossom	15	1840EST			0	0			Thunderstorm Wind (G50)
Bartholomew County Columbus	15	1845EST			0	0			Thunderstorm Wind (G50)
									Several multicellar storms marched across Central Indiana knocking down trees.
Marion County 2 NNE Cumberland	25	1210EST	0.1	50	0	0			Tornado (F0)
									Trained spotter reported a brief F0 touchdown in a corn field. No damage.
Marion County Indianapolis	25	1215EST			0	0			Hail(0.75)
Johnson County Greenwood	25	1241EST			0	0			Thunderstorm Wind (G50)
									Trees down.
Tippecanoe County West Pt	25	1935EST 2000EST			0	0			Flash Flood
Clinton County Frankfort	25	2100EST 2130EST			0	0			Flash Flood
Tippecanoe County West Pt	25	2135EST 2200EST			0	0			Flash Flood
									Several roads closed across these counties due to high water from as much as 5.5 inches of rain over a 2 hour period.
Delaware County Muncie	27	1115EST			0	0			Thunderstorm Wind (G50)
Randolph County 2 N Winchester	27	1215EST 1217EST			0	0			Thunderstorm Wind (G50)
Hamilton County Countywide	27	1230EST 1315EST			0	0			Thunderstorm Wind (G50)
Randolph County Union City	27	1235EST 1237EST			0	0			Thunderstorm Wind (G50)
Delaware County Muncie	27	1239EST			0	0			Thunderstorm Wind (G50)

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<u>INDIANA, Central</u>									
Henry County									
New Castle	27	1355EST 1357EST			0	0			Thunderstorm Wind (G50)
Hendricks County									
Avon	27	1424EST 1426EST			0	0			Thunderstorm Wind (G50)
Hamilton County									
Fishers	27	1430EST Lightning struck a house.			0	0	400K		Lightning
Marion County									
Lawrence	27	1430EST 1432EST			0	0			Thunderstorm Wind (G50)
An area of storms dropped southeast across Central Indiana downing many trees.									
<u>INDIANA, Northeast</u>									
Allen County									
Huntertown	03	1205EST A trained spotter reported nickel size hail in Huntertown.			0	0			Hail(1.00)
Huntington County									
Bippus	04	1220EST			0	0			Hail(1.00)
Allen County									
2 S Aboite	04	1226EST			0	0			Hail(1.00)
Allen County									
3 N Ft Wayne Baer Arpt	04	1240EST			0	0			Hail(1.00)
Allen County									
Ft Wayne Baer Arpt	04	1240EST			0	0			Hail(1.50)
Allen County									
3 NE Ft Wayne Baer Arpt	04	1240EST 1242EST			0	0			Hail(0.75)
Fulton County									
4 SW Rochester	04	1545EST			0	0			Hail(1.75)
Fulton County									
1 SW Rochester	04	1552EST			0	0			Hail(1.75)
Wabash County									
Roann	04	1615EST			0	0			Hail(0.75)
Wabash County									
North Manchester	04	1622EST			0	0			Hail(0.88)
Miami County									
3 SE Chili	04	1630EST			0	0			Hail(0.75)
Wabash County									
7 WNW Wabash	04	1640EST			0	0			Hail(1.75)
Wabash County									
1 N Wabash	04	1643EST			0	0			Hail(1.00)
Huntington County									
1 N Huntington	04	1652EST			0	0			Hail(0.75)
Huntington County									
2 NW Huntington	04	1652EST			0	0			Hail(1.75)
Huntington County									
2 W Huntington	04	1653EST			0	0			Hail(0.75)

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>INDIANA, Northeast</u>									
Huntington County									
10 NW Huntington	04	1656EST			0	0			Hail(1.00)
Huntington County									
Roanoke	04	1658EST			0	0			Hail(1.00)
Huntington County									
Andrews	04	1707EST			0	0			Hail(1.00)
Wells County									
6 NNW Uniondale	04	1709EST			0	0			Hail(1.00)
Wells County									
Ossian	04	1720EST			0	0			Hail(0.88)
Huntington County									
3 SW Huntington	04	1723EST			0	0			Hail(0.75)
Wells County									
1 N Ossian	04	1724EST			0	0			Hail(1.25)
Wells County									
2 N Tocsin	04	1730EST			0	0			Hail(1.00)
Adams County									
1 N Decatur	04	1740EST			0	0			Hail(0.75)
Adams County									
2 NE Decatur	04	1745EST			0	0			Hail(1.00)
Adams County									
5 E Monroe	04	1813EST			0	0			Hail(0.75)
Cass County									
Galveston	04	2125EST			0	0	5K		Thunderstorm Wind
									Emergency management reported large trees down and power lines down in Galveston. Uprooted and fallen trees damaged a home and two cars.
Miami County									
Bennetts Switch	04	2125EST			0	0	0		Thunderstorm Wind
									Emergency management reported large tree limbs down in Bennetts Switch.
Marshall County									
Plymouth	11	1130EST			0	0	2K		Thunderstorm Wind
									Newspaper report of large tree limbs down on a home and a car. Slight damage to roof and gutter of home with roof and windshield damage to car.
Allen County									
New Haven	26	2005EST			0	0			Hail(0.88)
Allen County									
2 SW Ft Wayne	26	2115EST			0	0	0		Thunderstorm Wind
									Allen county sheriff reported numerous power line down on the southwest side of Fort Wayne.
Allen County									
4 W Ft Wayne	26	2110EST 2310EST			0	0	0		Flash Flood
									Flash flooding on the southwest and south side of Fort Wayne with numerous cars stranded in up to 3 feet of water. Spotter reports of over 3 inches of rain in 90 minutes.
Allen County									
Ft Wayne	27	0030EST 0400EST			0	0	5M		Flash Flood
									Flash flooding in Fort Wayne with a general 4 to 6 inches of rain in 3 hours with reports of over 8 inches in 3 hours. Over 200 people were evacuated from homes. 500 homes received some flood damage with 15 homes condemned. 3 businesses sustained major damage, with one car dealership losing 95 vehicles to the flash flood. Total damage to property was over 5 million dollars.

Storm Data and Unusual Weather Phenomena

June 2002

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

INDIANA, Northwest

Lake County									
Crown Pt	25	1300CST			0	2			Lightning
Porter County									
Valparaiso	25	1326CST			0	0			Thunderstorm Wind (G50)
Benton County									
Northwest Portion	25	1830EST 2030EST			0	0			Flash Flood

Thunderstorms moved across northwest Indiana during the afternoon and evening hours of June 25th. Two men who were working on a piece of drilling equipment in Crown Point, were struck by lightning. Both were thrown to the ground but suffered only minor injuries. Three trees were blown down in Valparaiso in Porter county and damaged a few parked cars. Heavy rainfall over northwest Benton county caused basement flooding. A spotter in northwest Benton county reported two inches of rainfall in just 20 minutes.

INDIANA, South Central

Orange County									
Orleans	02	1708EST			0	0			Hail(0.75)
Clark County									
Sellersburg	04	1520EST			0	0			Thunderstorm Wind (G50)
Trees and power lines were downed.									
Clark County									
8 NE Charlestown	04	1530EST			0	0			Hail(1.00)
Orange County									
Valeene	05	1410EST			0	0			Hail(0.75)
There was also a wind gust estimated at 50 mph.									
Clark County									
New Washington	05	1525EST			0	0			Thunderstorm Wind (G50)
Several trees were downed along Highway 62.									
Floyd County									
Countywide	05	1555EST			0	0			Thunderstorm Wind (G50)
Floyd County									
2 N Floyds Knobs	05	1555EST			0	0			Hail(1.75)
Jefferson County									
1.5 N Brooksborg	05	1750EST			0	0	50K		Lightning
A lightning strike caused a fire that destroyed most of a restored log cabin.									
Orange County									
Paoli	25	1552EST			0	0			Hail(1.50)
Floyd County									
New Albany	25	1600EST			0	0	20K		Thunderstorm Wind (G60)
A large limb was blown off a tree on to a garage. The garage was demolished.									
Washington County									
Martinsburg	25	1645EST			0	0			Hail(0.75)
Clark County									
3 NW New Washington	25	1700EST			0	0			Thunderstorm Wind (G50)
INZ076									
Orange	25	1755EST			0	0			Flood
	26	0230EST							

Much of Highway 337 east of Orleans was closed by flood waters. Crews sand bagged several locations in Orleans to protect property from flood waters.

Storm Data and Unusual Weather Phenomena

June 2002

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

INDIANA, Southeast

INZ080

Switzerland

06	0700EST 0740EST				0	0			Flood
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A large area of showers producing two to three inches of rain moved across southeast Indiana during the early morning, causing high water to collect on area roads.

INDIANA, Southwest

Gibson County

Ft Branch

05	1200CST				0	0	15K		Thunderstorm Wind (G52)
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Thunderstorm winds blew down trees in Fort Branch. A tree fell on a garage, damaging the roof. Two trees fell on houses, causing some damage. Wind knocked down a chimney.

Vanderburgh County

Evansville

05	1325CST				0	0	2K		Thunderstorm Wind (G50)
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Power lines were down on the north side of Evansville.

Posey County

Cynthiana

05	2330CST				0	0	10K		Thunderstorm Wind (G55)
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Roofs were blown off two garage type structures. An empty silo was destroyed. Several large trees were blown down.

IOWA, Central

Lucas County

4 W Derby

01	2142CST				0	0	5K	5K	Hail(1.00)
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Lucas County

Derby

01	2155CST				0	0	5K	5K	Hail(1.00)
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Wayne County

Humeston

01	2158CST				0	0	20K	5K	Hail(1.75)
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Wayne County

Humeston

01	2200CST				0	0	50K	5K	Hail(2.75)
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Wayne County

Allerton

01	2245CST				0	0	50K	5K	Hail(2.50)
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The weather situation was similar to the previous day with a warm front extending from northern Kansas, across central Iowa, into Illinois. A southerly flow of warm, moist and very unstable air remained in place over the area. Afternoon highs soared into the upper 80s and 90s just south of the front with dew point readings around 70. The airmass was capped again, limiting convection during the afternoon and early evening hours. The cap was broken just southeast of Des Moines with a cluster of severe thunderstorms forming. The storms produced large hail. Reports of hail up to baseball size were received from Wayne County at Humeston. Two and one half inch diameter hail fell nearby at Allerton. Considerable damage occurred due to the hail.

Polk County

Polk City

02	0255CST				0	0	25K		Thunderstorm Wind (G61)
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Jasper County

Monroe

02	0315CST				0	0	10K		Thunderstorm Wind (G52)
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An unstable airmass remained in place over Iowa. A narrow line of thunderstorms developed to the northwest of Polk County and dropped southeast into the county. One cell became severe as it moved into Polk County. Winds of 70 MPH were reported in Polk City. The storm weakened rapidly after passing through Polk City. A short time later, another cell fired up over Jasper County. The storm produced high winds in the town of Monroe, downing many trees around town.

Black Hawk County

Hudson

03	2030CST				0	0	3K	5K	Hail(0.88)
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The airmass over Iowa remained very unstable with a persistent frontal boundary extending east to west across the central part of the state. Temperatures rose into the mid 80s to low 90s south of the front with dew point readings in the low 70s. The airmass was capped with 700 mb temperatures around +12 C much of the day. Thunderstorms erupted during the evening hours over northeast Iowa. Most of the storms remained below severe limits, however one cell did drop nickle size hail in Black Hawk County at Hudson.

Storm Data and Unusual Weather Phenomena

June 2002

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

IOWA, Central

Emmet County

2 N Estherville **07** **1742CST** **0** **0** **5K** **Thunderstorm Wind (G61)**

A semi-stationary front extended across northern Nebraska into southern Minnesota during the late afternoon hours. The airmass was quite capped with 700 mb temperatures around +10 C. A strong southerly low level jet stream formed during the late afternoon and evening hours. Thunderstorms erupted along the frontal boundary. The storms moved into the far northwest corner of Iowa, then weakened. One storm slipped into Emmet County and produced 70 MPH winds.

Palo Alto County

Mallard **07** **2313CST** **0** **0** **5K** **Thunderstorm Wind (G56)^M**

During the late evening hours another round of thunderstorms moved east out of Nebraska and South Dakota. Once again the storms weakened as they headed east. One storm remained severe and produced 64 MPH winds in Palo Alto County at Mallard.

Crawford County

Charter Oak **10** **2227CST** **0** **0** **10K** **Thunderstorm Wind (G56)**

Crawford County

Ricketts **10** **2230CST** **0** **0** **10K** **Thunderstorm Wind (G56)**

Crawford County

Denison **10** **2232CST** **0** **0** **10K** **Thunderstorm Wind (G56)**

Carroll County

Manning **10** **2245CST** **0** **0** **5K** **Thunderstorm Wind (G52)**

Carroll County

1 N Halbur **10** **2256CST** **0** **0** **3K** **Thunderstorm Wind (G52)**

Carroll County

Carroll Neu Arpt **10** **2316CST** **0** **0** **2K** **Thunderstorm Wind (G50)^M**

Greene County

Churdan **10** **2330CST** **0** **0** **3K** **Thunderstorm Wind (G52)**

Webster County

Ft Dodge Muni Arpt **10** **2355CST** **0** **0** **5K** **Thunderstorm Wind (G62)^M**

Webster County

Ft Dodge **10** **2358CST** **0** **0** **10K** **Thunderstorm Wind (G56)**

Wright County

Eagle Grove **11** **0010CST** **0** **0** **15K** **Thunderstorm Wind (G56)**

Wright County

3 SW Clarion **11** **0020CST** **0** **0** **10K** **Thunderstorm Wind (G61)**

A very humid airmass was in place over Iowa during the afternoon of the 10th into the evening. High temperatures were not all that high with upper 70s and 80s common. Dew point temperatures were in the low to mid 70s. A cold front approached Iowa from the northwest. Thunderstorms fired up along the front. The main focus of thunderstorm development was over eastern Nebraska into western Iowa. A strong low level jet developed during the early evening hours. The combination of high amounts of low level moisture and the strong low level jet impinging on the approaching front was enough to break the cap in spite of a +13 C. temperature at 700 mb over Omaha. The storms formed into a Mesoscale Convective System. Though there was some hail with the thunderstorms, the main severe weather event was high winds. The lead edge of the system transitioned into a bow echo and produced winds of 60 to 70 MPH in several locations. One of the higher winds was at the apex of the bow echo. Seventy one MPH winds swept through the Fort Dodge area of Webster County. There were numerous reports of tree damage across western into parts of central Iowa. Scattered reports were received of power poles being blown down by the high wind. Southwest of Clarion in Wright County, high winds downed several power poles for example.

Madison County

3 E Truro **12** **1525CST** **0** **0** **3K** **5K** **Hail(0.88)**

Warren County

4 NW New Virginia **12** **1525CST** **0** **0** **3K** **5K** **Hail(0.88)**

Polk County

Pleasant Hill **12** **1555CST** **0** **0** **5K** **2K** **Hail(0.88)**

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>IOWA, Central</u>									
Polk County Pleasant Hill	12	1619CST			0	0	5K	2K	Hail(1.00)
Polk County Altoona	12	1625CST			0	0	5K	5K	Hail(1.00)
Polk County South Portion	12	1649CST 2128CST			0	0	150K	15K	Flash Flood
Polk County 2 N Ankeny	12	1709CST			0	0	5K	5K	Hail(1.00)
Polk County Ankeny	12	1710CST			0	0	10K	1K	Hail(1.00)
Polk County Elkhart	12	1725CST			0	0	3K	5K	Hail(0.88)
Dallas County Countywide	12	1745CST 2000CST			0	0	25K	15K	Flash Flood
Taylor County 7 SW Bedford	12	1830CST			0	0	5K	5K	Hail(1.00)
Taylor County 8 SW Bedford	12	1830CST			0	0	5K		Thunderstorm Wind (G56)
Taylor County 2 S Siam	12	1830CST			0	0	10K	20K	Hail(1.00)
Taylor County 2 S Siam	12	1830CST			0	0	30K		Thunderstorm Wind (G56)
Madison County St Charles	12	2200CST			0	0		5K	Hail(0.75)
Madison County St Charles	12	2200CST			0	0	8K		Thunderstorm Wind (G52)
Wapello County Blakesburg	12	2231CST			0	0	5K	5K	Hail(1.00)
Monroe County 2 S Albia	13	0022CST			0	0		5K	Hail(0.75)
Monroe County 2 S Albia	13	0030CST			0	0		5K	Hail(0.75)

A complex weather situation unfolded during the day on the 12th with a series of events coming together. The forest fires in Colorado were a contributing factor to the thunderstorm initiation. During the night of the 11th and early morning of the 12th, two mesoscale convective systems formed over the fires in Colorado and tracked across Kansas. By sunrise on the 12th, the outflow from one of the complexes pushed north into northern Kansas and Southern Nebraska to interact with a quasi-stationary frontal boundary. Thunderstorms developed in this area and began to track east along the frontal boundary. The airmass near the front was quiet unstable with dew point temperatures in the low to mid 70s. During the day, some clearing allowed for heating to take place. Once surface temperatures reach 27 C, there the negative inhibition was gone and surface based thunderstorms began to form. Meanwhile, a large and unseasonably strong upper low began to drop southeast into the north central U.S. and interacted with the developing storms. Thunderstorms formed in two rounds. The first round rolled across the state during the mid afternoon hours into the early evening. Another cluster of storms formed in the wake of the first by mid evening. For the most part, severe weather from the storms was in the form of hail. There were numerous reports of nickle to quarter size hail. Nearly all of the storms produced up to marble size hail. High winds were reported with one of the storms in Taylor County. The winds tore the roofs of of barns in the area south of Siam. Wind damage was also reported southwest of Bedford with trees blown over. Crops were damaged by hail in many areas. Widespread crop damage occurred in Taylor County south of Siam due to the combination of winds and hail. The storms produced very heavy rainfall in many areas. Flash flooding took place in southern Polk County, especially in Des Moines and areas east and south. Rainfall rates were in the 2 to 3 inch per hour range. The city of Des Moines was hard hit with flooded streets. There were numerous reports of stalled vehicles with water two to three feet deep in the streets. East of Des Moines in the Runnells area, low lying gravel roads between Runnells and highway 163 were barricaded as they went under water. Damage occurred to some of the county gravel roads as well as numerous houses by basement flooding. Flash flooding also occurred in Dallas County.

Storm Data and Unusual Weather Phenomena

June 2002

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

IOWA, Central

Highway 44 was under several inches of water east of Dallas Center. Flood waters were over Highway 141 west of Perry as well.

IAZ061>062-074>075

Jasper - Poweshiek - Marion - Mahaska

13	1600CST				0	0	40K	80K	Flood
14	0600CST								

A warm, humid air mass covered most of the state during the day June 12, with a weak frontal boundary in place across south central Iowa. In the late afternoon storms erupted along this boundary, producing some severe weather and very heavy precipitation. Rainfall was especially heavy across the Des Moines metro area, and a Flash Flood Warning was issued for Polk county at 550 PM as several reports of severe flooding in the city were received. Flash flood warnings were also issued for Dallas and Marshall counties, and while some flooding did occur in Dallas county, little of significance was reported in Marshall county. The rains fell quickly in the Des Moines area with 1-hour rainfall from gages including West Des Moines DCP (WDMI4) 1.79"; Des Moines Airport ASOS (DSM) 1.63"; and River Woods Elementary - KCCI (SDRI4) 1.43". Total rainfall was not much higher with several locations measuring in excess of 2 inches, including SDRI4 at 2.22", WDMI4, 2.10"; Iowa State Fairgrounds (STFI4), 2.06"; and Maffitt Reservoir (MAFI4), 2.00". Outside the metro area, rainfall was scattered, with parts of the lower Iowa River basin receiving 1 to 2 inches. River flooding was confined to the South Skunk at Oskaloosa, which briefly exceeded flood stage late on June 13.

Webster County

3 W Ft Dodge	17	2108CST			0	0	5K	Hail(0.75)
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Hamilton County

3 W Webster City	17	2228CST			0	0	2K	5K	Hail(0.88)
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Hamilton County

Webster City	17	2240CST			0	0	3K	5K	Hail(0.88)
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Hamilton County

1 W Webster City	17	2240CST			0	0	2K	5K	Hail(0.88)
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Hamilton County

2 W Webster City	17	2246CST			0	0	5K	5K	Hail(1.00)
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Marshall County

Marshalltown	17	2252CST			0	0	5K	5K	Hail(1.00)
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Marshall County

Countywide	18	0200CST 0500CST			0	0	75K	50K	Flash Flood
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Winnebago County

Countywide	18	0200CST 0830CST			0	0	100K	75K	Flash Flood
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A line of thunderstorms formed over north central Iowa and dropped south. The storms were very elevated in nature and many produced pea to marble size hail and brief heavy rainfall. One of the cells became severe as it moved south to the west of Fort Dodge. The storm dropped three quarter inch diameter hail in that area for a brief period. A short time later, the cell regenerated as it moved into Hamilton County. The storm dropped nickle to quarter size hail as it passes through the Webster City area. While this was going on, an arc of thunderstorms developed from south central Minnesota into central Iowa. These storms formed along the warm front aloft and were also very elevated. Most of the storms were not severe, however one cell dropped one inch diameter hail in Marshalltown as it passed. As the night progressed, a band of thunderstorms became nearly stationary from central into north central Iowa. Several clusters of storms dropped very heavy rainfall, causing flash flooding in Winnebago and Marshall Counties. There were several reports of flooded basements and water over roads. A few road washouts occurred as well. East of Forest City, in Winnebago County, a truck was washed off the road by flowing flood waters. Rainfall reports indicated as much as 7.5 inches of rain fell at a site 5 miles east of Thompson. Much of the rain fell in under four hours.

Ringgold County

Diagonal	18	0821CST			0	0	5K	5K	Hail(1.00)
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Ringgold County

3 SE Tingley	18	0848CST			0	0	3K	5K	Hail(0.88)
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Thunderstorms formed over southwest Iowa on the morning of the 18th. Though the airmass was capped, it was quite unstable. The storms dropped nickle to quarter size hail in Ringgold County before they weakened.

Webster County

Badger	19	0100CST			0	0	3K	5K	Hail(0.88)
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Wright County

Eagle Grove	19	0100CST			0	0	3K	5K	Hail(0.88)
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Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<u>IOWA, Central</u>									
Wright County									
1 W Eagle Grove	19	0100CST			0	0	50K	5K	Hail(1.75)
Cerro Gordo County									
Thornton	19	0215CST			0	0	15K	5K	Hail(1.50)
Cerro Gordo County									
1 E Thornton	19	0230CST			0	0	5K	5K	Hail(1.00)
Cerro Gordo County									
Clear Lake	19	0233CST			0	0	3K	5K	Hail(0.88)
Cerro Gordo County									
Clear Lake	19	0238CST			0	0	3K	5K	Hail(0.88)
Cerro Gordo County									
Mason City	19	0251CST			0	0		3K	Hail(0.75)
Cerro Gordo County									
1 W Mason City	19	0258CST			0	0	10K	5K	Hail(1.25)
Cerro Gordo County									
5 S Mason City	19	0259CST			0	0	3K	5K	Hail(0.88)
Cerro Gordo County									
Mason City	19	0300CST			0	0	75K	5K	Hail(1.75)
Accompanied by 40 to 50 MPH winds.									
Cerro Gordo County									
1 E Mason City	19	0301CST			0	0	5K	5K	Hail(1.00)
Cerro Gordo County									
1 E Mason City	19	0306CST			0	0	15K	5K	Hail(1.75)
Cerro Gordo County									
Mason City	19	0310CST			0	0	100K	5K	Hail(1.75)
Cerro Gordo County									
Mason City	19	0312CST			0	0	100K	5K	Hail(1.75)
Cerro Gordo County									
Mason City	19	0315CST			0	0	5K	5K	Hail(1.00)
Butler County									
2 S Bristow	19	0358CST			0	0	5K	5K	Hail(1.00)
Butler County									
4 S Dumont	19	0405CST			0	0	3K	5K	Hail(0.88)
Black Hawk County									
2 E Waterloo	19	0430CST			0	0	2K		Lightning
Butler County									
Parkersburg	19	0608CST			0	0		5K	Hail(0.75)
Butler County									
Parkersburg	19	0610CST			0	0	10K	5K	Hail(1.75)
Butler County									
Parkersburg	19	0612CST			0	0	75K	5K	Hail(2.75)
Grundy County									
Stout	19	0630CST			0	0		5K	Hail(0.75)
Franklin County									
Ackley	19	0706CST			0	0		5K	Hail(0.75)
Hardin County									
Ackley	19	0715CST			0	0		5K	Hail(0.75)

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<u>IOWA, Central</u>									
Grundy County									
15 N Grundy Center	19	0732CST			0	0	3K		Thunderstorm Wind (G52)
Butler County									
1 N Parkersburg	19	0738CST			0	0	3K		Thunderstorm Wind (G52)
Butler County									
1 E Aredale	19	0753CST			0	0	3K	5K	Hail(0.88)
Franklin County									
Sheffield	19	0812CST			0	0	5K	5K	Hail(1.00)
Butler County									
Bristow	19	0820CST			0	0	5K		Thunderstorm Wind (G52)
Franklin County									
3 E Hansell	19	0831CST			0	0		5K	Hail(0.75)
Butler County									
Allison	19	0840CST			0	0	10K	5K	Thunderstorm Wind (G61)
Butler County									
Countywide	19	0920CST 1500CST			0	0	75K	50K	Flash Flood

A warm front remained nearly stationary from low pressure in South Dakota..southeast into southwest Iowa and northern Missouri. The airmass was quite capped with 700 mb temperatures in the 11 to 14 degree C. range. Thunderstorms fired over northern Iowa by around midnight. The storms were very elevated and were for the most part hail producers. There were numerous reports of three quarter to one inch diameter size hail across north central into northeast Iowa. A few of the storms produced much larger hail. Golf ball size hail fell in Wright County in the Eagle Grove area. in Cerro Gordo County, Mason City was hard hit by another storm. There were several reports of golf ball size hail causing damage to several homes. Numerous windows were broken and some damage was reported to the siding of several homes as the hail was accompanied by 40 to 50 MPH winds. About three hours later, another cell dropped large hail in Butler County. Considerable damage occurred in the town of Parkersburg as golf ball to baseball size hail pelted the city. Toward the end of the event, a few of the cells became wind producers as they weakened. Severe criteria wind occurred in Butler County as winds of 60 to 70 MPH were reported. Several trees were downed and power was knocked out in the Allison area. Fortunately, much of the area that received heavy rainfall was relatively dry during June. Flash flooding occurred in Butler County with several reports of roads being washed out and flooding of residences basements. Rainfall of two to four inches was common with most of it falling in under 3 hours. During the storms, a minivan was struck by lightning east of Waterloo. The lightning traveled through the van, blowing out the rear window. It also left a 2 foot diameter crater in the roadway on U.S. Highway 20.

Story County									
Ames	20	1835CST			0	0	3K	5K	Hail(0.88)
Story County									
Ames	20	1837CST			0	0	10K	5K	Hail(1.00)
Webster County									
4 S Ft Dodge	20	2032CST			0	0	5K	5K	Hail(1.00)
Crawford County									
Denison	20	2115CST			0	0		5K	Hail(0.75)
Webster County									
Ft Dodge	20	2157CST			0	0	3K	5K	Hail(0.88)
Webster County									
Ft Dodge	20	2159CST			0	0	10K	5K	Hail(1.00)
Webster County									
Ft Dodge	20	2205CST			0	0	10K	5K	Hail(1.00)
Webster County									
Ft Dodge	20	2216CST			0	0	10K	5K	Hail(1.00)

A nearly stationary frontal boundary extended from southern Wisconsin, through central Iowa, into southern Nebraska during the late afternoon hours of the 20th. The airmass was capped, but there was a considerable amount of instability by early evening. CAPE values were in excess of 8600 J/kg by the late afternoon hours in northeast KS, with values in the 3000 to 4000 J/kg range into western IA. Surface temperatures were in the mid 80s to around 90, with dew point temperatures along and south of the boundary in the low to mid 70s. Thunderstorms developed toward the evening hours. The convection never was able to develop

Storm Data and Unusual Weather Phenomena

June 2002

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

explosively however. An isolated thunderstorms developed in central Iowa over Story County. This storm dropped hail up to the size of quarters on the city of Ames. The main area of convection developed to the west of Iowa and moved in during the evening hours. Once again, these storms produced mainly hail with scattered reports of three quarter to one inch diameter hail received from Webster and Crawford Counties.

Cerro Gordo County

4 SE Rockwell to 9 SE Rockwell	21	1218CST 1228CST	5	40	0	0	5K		Tornado (F1)
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Intermittent track. Moved into Butler County.

Butler County

10 W Greene to 4 W Greene	21	1228CST 1242CST	7	40	0	0	10K		Tornado (F1)
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Intermittent track. Moved in from Cerro Gordo County.

A thunderstorm complex moved east across southern Minnesota during the day on the 21st. The outflow boundary from the complex progressed into northern Iowa to join with a warm frontal boundary lifting north across the state. The airmass was very stable to the south of the boundary with temperatures in the mid 80s to low 90s, and dew point temperatures in the low 70s to near 80. CAPE values were in the 5600 J/kg range by early afternoon. A lone thunderstorm cell formed in north central Iowa just southeast of Mason City. The storm became severe and produced a tornado southeast of Rockwell. The tornado moved southeast at first while the storm intensified, then turned east as it entered Butler County. The track of the tornado was across open country and as a result there was little more than crop damage from it. Spotter and Sheriff reports indicated the tornado was on the ground intermittently. Much of the time the condensation funnel was not in clear contact with the ground, however it would appear the strength of the tornado can be inferred from the length of the track, spotter reports, and radar presentation. Speaking to trained spotters that were on the site indicated the tornado supercell was a CLOCKWISE rotating supercell.

Black Hawk County

Waterloo	26	0500CST			0	0	1M		Lightning
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Thunderstorms moved through the Waterloo area during the early morning hours. Lightning struck a business in town and started a fire. The initial estimate of damage by the fire was \$1,000,000.

Adams County

Carbon	26	1204CST			0	0	3K	5K	Hail(0.88)
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Adams County

8 SE Prescott	26	1230CST 1320CST			0	0	15K	2K	Thunderstorm Wind (G56)
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Union County

Kent	26	1240CST 1320CST			0	0	15K	2K	Thunderstorm Wind (G61)
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Taylor County

3 W Lenox	26	1246CST			0	0	5K		Thunderstorm Wind (G52)
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Ringgold County

2 N Kellerton	26	1320CST			0	0	3K		Thunderstorm Wind (G52)
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Taylor County

Lenox	26	1325CST			0	0	3K	5K	Hail(0.88)
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Ringgold County

8 S Mt Ayr	26	1330CST			0	0	3K	5K	Hail(0.88)
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Tama County

4 W Tama	26	1510CST			0	0	3K	5K	Hail(0.88)
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Tama County

4 W Tama	26	1514CST	0	20	0	0			Tornado (F0)
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Brief spinup tornado

Jasper County

1 N Colfax	26	1613CST			0	0	5K	5K	Hail(1.00)
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Jasper County

Colfax	26	1631CST			0	0	5K	5K	Hail(1.00)
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Polk County

Mitchellville	26	1642CST			0	0	20K	5K	Hail(1.75)
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Storm Data and Unusual Weather Phenomena

June 2002

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

Polk County Mitchellville	26	1643CST			0	0	5K		Hail(0.75)
Polk County Mitchellville	26	1646CST			0	0	5K	5K	Hail(1.00)
Polk County Mitchellville	26	1647CST			0	0	15K	5K	Hail(1.75)
Jasper County 6 SW Colfax	26	1657CST			0	0		5K	Hail(0.75)
Polk County 5 S Mitchellville	26	1700CST			0	0	5K	5K	Hail(1.75)
Polk County 4 N Runnells	26	1714CST			0	0	3K	5K	Hail(0.88)
Polk County Runnells	26	1719CST			0	0	5K	5K	Hail(1.00)
Polk County 1 N Runnells	26	1722CST			0	0		5K	Hail(0.75)
Polk County 2 N Runnells	26	1729CST			0	0	5K	5K	Hail(1.00)

A weak cold front moved southeast across Iowa during the afternoon of the 26th. The airmass was quite capped and thunderstorm development was limited. CAPE values by mid to late afternoon reached 3000 to 3500 J/kg just ahead of the front. Surface temperatures topped out around 90, with dew point readings in the low to mid 70s. Thunderstorms erupted just ahead of the front, but the line of storms was scattered to broken at best. For the most part, the storms produced hail around an inch in diameter. There were two reports of golf ball size hail from one cell as it moved through the Mitchellville area of Polk County. There were reports of high wind from a few of the cells in southwest Iowa. Trees were blown down by 60 MPH winds west of Lenox. The scattered line of thunderstorms produced winds of 60 to 70 MPH. The greatest damage reported came from Union County in the city of Kent. High winds damaged part of the front of a brick building and tore off a large barn door. Most of the other wind damage was limited to downed trees and power lines. One tornado touched down briefly in Tama County. The tornado reportedly only touched the ground and caused no damage.

IOWA, East Central and Southeast

Jefferson County Fairfield	01	0000CST			0	0			Hail(1.00)
Des Moines County Burlington	01	0009CST			0	0			Hail(0.75)
Jefferson County 1 S Libertyville	01	0130CST			0	0			Hail(0.75)
Henry County Mt Pleasant	01	0255CST 0300CST			0	0			Hail(0.75)
Lee County Denmark	01	0326CST			0	0			Hail(0.88)
Lee County Denmark	01	0326CST			0	0			Thunderstorm Wind (G52)
Des Moines County 2 W Pleasantgrove	01	0355CST			0	0			Hail(0.75)

Scattered thunderstorms developed during the early morning across Southeast Iowa and West Central Illinois north of a surface front in association with warm advection. Several reports of large hail ranging from penny to quarter size were received.

Scott County Davenport	03	1743CST			0	0			Urban/Sml Stream Fld
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Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>IOWA, East Central and Southeast</u>									
Water several inches deep on portions of 53rd Street.									
Dubuque County 1 N Dubuque	03	2129CST			0	0			Hail(0.88)
Buchanan County Independence	03	2154CST			0	0			Urban/Sml Stream Fld
Water ponding on Old Highway 20.									
Delaware County 4 W Manchester	03	2246CST 2315CST			0	0			Flash Flood
145th Avenue impassable due to high water.									
Dubuque County Dubuque	04	0425CST 0600CST			0	0			Flash Flood
Several streets flooded with manhole covers off.									
Dubuque County Durango	04	0425CST 0700CST			0	0			Flood
Little Maquoketa River out of it's banks with 4 feet of water over road.									
Dubuque County Durango	04	0504CST 0730CST			0	0			Flash Flood
Streets and roads closed due to high water at Durango, Burtans Furnace and Hales Mills.									
Buchanan County Winthrop	04	0600CST 0800CST			0	0			Flash Flood
Buffalo Creek flooded with water inundating portions of County Road 939 East. 2.7 inches of rain was measured in about an hours time.									
Jackson County Maquoketa	04	0600CST 0800CST			0	0			Flash Flood
Highway 61 at the bypass closed due to high water.									
Clinton County Wheatland	04	0607CST 0730CST			0	0			Urban/Sml Stream Fld
Water ponding on roads, ditches full and water standing in some fields. Broadcast media reported 2.3 inches of rain had fallen in Calamus between 6:00 a.m. and 8:00 a.m.									
Jackson County Fulton	04	0610CST 0900CST			0	0			Flash Flood
North Fork of the Maquoketa River rising rapidly. Deep Creek out of it's banks and over Highway 61.									
Jones County Anamosa	04	0645CST 0900CST			0	0			Flash Flood
Buffalo and Division Creeks out of their banks causing flooding of some streets.									
Dubuque County Dyersville	04	0700CST 0900CST			0	0			Flash Flood
Parts of the city evacuated due to high water. Trained spotter measured 5 inches of rain in 12 hours.									
Jackson County Maquoketa	04	0700CST 0900CST			0	0			Flash Flood
Water on south Main Street 2 to 3 feet deep.									
Clinton County Charlotte	04	0703CST 0930CST			0	0			Flash Flood
Rock Creek out of it's banks.									

Storm Data and Unusual Weather Phenomena

June 2002

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

Clinton County

1 NW Dewitt	04	0720CST 1000CST			0	0			Flash Flood
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Silver Creek out of it's banks. Off duty National Weather Service employee reported 3.5 inches of rain in 12 hours.

Jones County

Scotch Grove	04	0735CST 0915CST			0	0			Flash Flood
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Prairie Creek out of it's banks between Scotch Grove and Monticello.

Scott County

1 NE Gambrill	04	0740CST 1040CST			0	0			Urban/Sml Stream Fld
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Wapsipinicon River nearing bankful at Fairyland Park.

Buchanan County

Independence	04	0744CST			0	0			Hail(0.88)
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Jones County

Monticello	04	0744CST 1130CST			0	0			Flash Flood
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Highway 38 closed due to flooding.

Scott County

Davenport	04	0745CST 1130CST			0	0			Flash Flood
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Duck Creek out of it's banks between Harrison and Dubuque Streets. Water covering Locust Street near St. Ambrose University. Division street impassible in several locations due to high water.

Clinton County

Charlotte	04	0807CST 1200CST			0	0			Flash Flood
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Several houses and basements flooded.

Clinton County

Toronto	04	0807CST 1200CST			0	0			Flash Flood
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Wapsipinicon River out of it's banks.

Scott County

Bettendorf	04	0812CST 1130CST			0	0			Flash Flood
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River Drive and Middle Road at 53rd Street closed due to flooding.

Delaware County

Delaware	04	0815CST			0	0			Hail(0.88)
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Delaware County

Manchester	04	0815CST			0	0			Hail(0.88)
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Scott County

Mt Joy	04	0830CST 1130CST			0	0			Flash Flood
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High water inundated 2 mobile homes east of Highway 61.

Delaware County

Masonville	04	0832CST			0	0			Hail(0.88)
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Delaware County

Dundee	04	0841CST			0	0			Hail(1.00)
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Benton County

Newhall	04	0850CST			0	0			Hail(0.75)
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Delaware County

4 NW Greeley	04	0852CST			0	0			Hail(1.00)
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Linn County

Cedar Rapids	04	0857CST			0	0			Hail(0.88)
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Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>IOWA, East Central and Southeast</u>									
Linn County									
Palo	04	0914CST			0	0			Hail(0.88)
Benton County									
Shellsburg	04	0915CST			0	0			Hail(1.00)
Scott County									
Bettendorf	04	0955CST 1200CST			0	0			Flash Flood
									A driver was rescued from a stranded van before the van was swept away by flood waters.
Clinton County									
Dewitt	04	1000CST 1300CST			0	0			Flash Flood
									Park under 1 to 3 feet of water. Storm total rainfall 4.57 inches.
Dubuque County									
Cascade	04	1030CST 1300CST			0	0			Flash Flood
									Highway 151 closed between Cascade and Monticello. Water reported to be up to the fuel tanks on semi trucks.
Jones County									
Wyoming	04	1030CST 1300CST			0	0			Flash Flood
									Bear Creek near Highway 64 out of it's banks with water over the road.
Clinton County									
Charlotte	04	1230CST 1500CST			0	0			Flash Flood
									Highway 136 partially closed due to high water.
Clinton County									
Dewitt	04	1245CST 1600CST			0	0			Flash Flood
									Silver Creek out of it's banks with water estimated to be about 8 feet deep in some locations. Entire park near the McDonalds Restaurant was under water. Some residents evacuated.
Jackson County									
Monmouth	04	1330CST 1600CST			0	0			Flash Flood
									Monmouth Post Office and City Hall workers had to evacuate due to high water surrounding the building.
Linn County									
Cedar Rapids	04	1330CST 1700CST			0	0			Flash Flood
									Winslow and Austin roads along Indian Creek closed due to flooding.
Linn County									
Northeast Portion	04	1330CST 1700CST			0	0			Flash Flood
									Several bridges along the Wapsipinicon River closed due to flooding.
Linn County									
Robins	04	1330CST 1700CST			0	0			Flash Flood
									Main Street bridge closed due to high water.
Linn County									
Springville	04	1330CST 1700CST			0	0			Flash Flood
									Highway 151 between Route 13 and Highway 1 was closed to east bound traffic. The bridge west of Springville was washed out by flood waters on the eastbound side.
Clinton County									
Bleidorn	04	1400CST 1700CST			0	0			Flash Flood
									Numerous dirt and gravel roads washed out.
Clinton County									
Malone	04	1400CST 1700CST			0	0			Flash Flood

Storm Data and Unusual Weather Phenomena

June 2002

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

IOWA, East Central and Southeast

Highway 30 covered with water up to a half foot deep.

Heavy rains which fell during the first week of June caused significant flash flooding rivaling that caused by storms during the summer of 1993. The counties hit hardest were Delaware and Dubuque where storm total rainfall amounts were as high as 8 to 11 inches. This heavy rain resulted in widespread and significant flash flooding and river flooding. The Rock River reached record flood levels near Joslin, while the Maquoketa and Wapsipinicon Rivers rose well above flood stage. In fact, the Maquoketa River and Rock River at Moline both experienced their second highest crest on record. Duck Creek went out of its banks in the Iowa Quad Cities, swamping vehicles in streets and flooding houses, parks and apartment complexes all the way from Division Street in Davenport to the banks of the Mississippi River in Bettendorf. So many streets were flooded in Davenport that police were unable to close all of them. The Maquoketa River rose high enough to shut down the water treatment plant in Monticello, in Northeastern Jones County prompting many residents to compare the flooding to that of 1993. The Mayor of Monticello stated that in 1993 the water was 4 feet from the water treatment plant, yet by late afternoon on June 4th the fence was almost completely under water. Flash flooding caused significant property damage to homes and businesses. Damage was also significant to farm land and public property including roads, parks and utilities. President Bush declared 17 counties in Eastern Iowa as disaster areas, making them eligible for federal assistance. Counties declared in the Quad Cities National Weather Service area of responsibility included Clinton, Delaware, Dubuque, Jackson, Jones, Linn, Scott, Benton, Buchanan, Cedar, Iowa, Johnson and Muscatine. The flooding damaged an estimated 1,004 homes in 8 counties, and of those 22 had major damage and 8 were destroyed. Public property damage in Eastern Iowa due to flooding was atleast \$7.2 million dollars. The greatest dollar figures of damage occurred in Linn County (\$3.2 million), Dubuque County (\$2.1 million), and Jones County (\$1.3 million).

Clinton County

Clinton

03	2350CST				0	0			Lightning
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A tree was struck by lightning and landed on a house on 19th Avenue North. The tree landed on the attic portion of the home causing significant damage to the roof. No injuries were reported.

Dubuque County

Dyersville

11	0307CST				0	0			Thunderstorm Wind (G52)
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Several large trees and numerous branches knocked down.

Linn County

Palo

12	1105CST				0	0			Funnel Cloud
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Linn County

2 E Palo

12	1111CST				0	0			Funnel Cloud
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Benton County

1 E Atkins

12	1116CST	0.1	10		0	0			Tornado (F0)
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A brief tornado touched down just east of Atkins. No damage or injuries were reported.

Linn County

5 SW Cedar Rapids

12	1120CST				0	0			Funnel Cloud
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Keokuk County

3 NW Keota

12	1725CST	0.1	10		0	0			Tornado (F0)
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Storm Data and Unusual Weather Phenomena

June 2002

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



Tornado! Lee Ann Baumert took this picture from rural South English looking south toward Keota.

A brief tornado touched down northwest of Keota. The tornado dissipated at 190th Street and County Road G32. No reports of damage or injuries were received.

Washington County Kalona	12	1732CST			0	0			Funnel Cloud
Washington County 3 E Washington	12	1813CST	0.1	10	0	0			Tornado (F0)
<i>A brief tornado touched down east of Washington. No injuries or damage was reported.</i>									
Benton County 6 N Keystone	12	1855CST			0	0			Thunderstorm Wind (G52)
<i>Five trees were blown down on a farm.</i>									
Benton County 5 N Keystone	12	1900CST			0	0			Thunderstorm Wind (G52)
<i>Power pole and tree limbs knocked down.</i>									
Van Buren County Farmington	12	2030CST 2200CST			0	0			Flash Flood
<i>Very heavy rain occurred in Farmington, with 2 inches of rain measured in just 30 minutes. This heavy rain forced Indian Creek out of it's banks.</i>									
Des Moines County Burlington	12	2135CST 2300CST			0	0			Flash Flood
<i>One to two feet of water covered several city roads. A vehicle stalled in the high water covering Highway 61.</i>									
Lee County Denmark	12 13	2144CST 0000CST			0	0			Flash Flood
<i>Two to three inches of rain fell in an hour triggering widespread lowland flooding. Also, water up to a foot deep covered several streets.</i>									
Des Moines County Burlington	12 13	2245CST 0245CST			0	0			Flash Flood

Storm Data and Unusual Weather Phenomena

June 2002

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

Widespread flooding. Water collected in streets, backed up into yards and flowed into basements. Rainfall amounts ranged from 2 to 5 inches. Parts of Roosevelt Avenue were under 2 to 3 feet of water. Mason Road and portions of West Avenue east of Roosevelt were closed. Numerous vehicles were towed when they became stranded. High water also covered the intersection of Jackson and Page streets, prompting a resident to add that the water at the intersection was higher than ever before seen in nearly 60 years at the address.

Lee County

1 S Houghton

13	0400CST 0600CST				0	0			Flash Flood
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County Road W55 covered with up to a foot of water and closed.

Van Buren County

1 N Mt Sterling

13	0530CST 0630CST				0	0			Flash Flood
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County Road W20 inundated with high water and closed.

Des Moines County

2 W West Burlington

13	0540CST 0700CST				0	0			Flash Flood
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Water up to a foot deep covered Highway 34 forcing it to be closed.

Lee County

Countywide

13	0557CST 0700CST				0	0			Flash Flood
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Numerous county roads inundated with water and closed.

A nearly stationary front, combined with abundant moisture and a strong upper level storm system to produce scattered strong to severe thunderstorms Wednesday evening. A few reports of hail to near quarter size and wind gusts of around 60 mph were received. Damage was confined mainly to trees and power lines. The thunderstorms also spawned two F0 tornadoes, one east of Washington and the other near Keota. The tornadoes were short lived and produced no damage or injuries. The thunderstorms continued through the late evening and into Thursday morning. During this time the threat shifted from hail, high wind and isolated tornadoes to very heavy rain and flash flooding, as the thunderstorms continuously developed over some of the same areas. Rainfall amounts of up to 3 to 4 inches were reported in portions of Southeast Iowa, an area which just 48 hours earlier received anywhere from 2 to 5 inches of rain. As a result, much of the heavy rain went into runoff resulting in fairly widespread flash flooding.

Lee County

4 W Mt Hamill

26	0933CST 0934CST	0.1	10		0	0			Tornado (F0)
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A tornado touched down briefly west of Mt. Hamill. No damage was reported.

Lee County

Argyle

26	1013CST				0	0			Funnel Cloud
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Iowa County

Ladora

26	1625CST				0	0			Thunderstorm Wind (G57)
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Iowa County

Victor

26	1630CST				0	0			Thunderstorm Wind (G57) ^M
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Siding blown off several homes.

Johnson County

3 NW Coralville

26	1710CST				0	0			Thunderstorm Wind (G52)
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Tree branches knocked down.

Johnson County

Coralville

26	1710CST				0	0			Thunderstorm Wind (G54) ^M
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Johnson County

4 E Iowa City

26	1735CST				0	0			Thunderstorm Wind (G61)
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Muscatine County

Wilton

26	1810CST				0	0			Thunderstorm Wind (G57)
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Storm Data and Unusual Weather Phenomena

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					Killed	Injured	Property	Crops	

IOWA, East Central and Southeast

Scott County

Buffalo	26	1842CST			0	0			Hail(1.00)
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A cold front, which extended from Southwest Wisconsin through Central Iowa early in the afternoon, was the focus for scattered strong to severe thunderstorms. Convective debris and an outflow boundary from early morning thunderstorms stabilized the atmosphere over portions of Eastern Iowa, delaying the development until late afternoon. Scattered thunderstorms developed in Northeast Iowa and propagated southeast. The activity evolved into short line segments and produced damaging winds of 60 to 70 mph.

IOWA, Northeast

Clayton County

South Portion	04	0420CST 0530CST			0	0	350K	125K	Flash Flood
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Flash flooding was caused by 4 to 5 inches of rain in 1 to 2 hours, which resulted in extensive damage to roads, bridges and farm fields. Hardest hit were areas from Edgewood toward Millville. As a result, Clayton County was declared a federal disaster area, along with several other eastern Iowa counties.

IAZ030

Clayton

04	0530CST 1430CST			0	0	50K	80K	Flood
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Runoff from heavy rains that fell during the early morning hours continued to cause extensive flooding along rivers throughout much of the day.

Clayton County

Littleport	04	0834CST			0	0			Hail(0.88)
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Clayton County

Garber	04	0838CST			0	0			Hail(0.75)
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Clayton County

Edgewood	04	0847CST			0	0			Hail(1.00)
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Clayton County

1 N Guttenburg	04	0847CST			0	0			Hail(0.88)
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Law enforcement officials reported hail ranging in size from dimes to nickels and quarters.

Floyd County

Nora Spgs	19	0336CST			0	0	1K	3.5K	Hail(0.88)
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Mitchell County

New Haven	19	0425CST			0	0			Hail(0.75)
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Howard County

Elma	19	0455CST			0	0	0.75K	2K	Hail(0.88)
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Floyd County

Charles City	19	0520CST			0	0	1.3K		Hail(0.88)
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Chickasaw County

Bassett	19	0545CST			0	0	2.5K		Hail(1.00)
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Chickasaw County

Nashua	19	0600CST			0	0			Hail(0.75)
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Chickasaw County

North Washington	19	0600CST			0	0			Hail(0.75)
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Floyd County

Rockford	19	0603CST			0	0			Hail(0.75)
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Chickasaw County

Nashua	19	0635CST			0	0			Hail(0.75)
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Floyd County

Floyd	19	0659CST			0	0			Hail(0.75)
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Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>IOWA, Northeast</u>									
Chickasaw County New Hampton	19	0730CST			0	0	0.80K	4K	Hail(1.00)
Chickasaw County New Hampton	19	0740CST			0	0			Hail(0.75)
Chickasaw County 2 E New Hampton	19	0747CST			0	0	2.5K		Hail(0.75)
Several reports of dime, nickel and quarter size hail were received from law enforcement officials, spotters and the public.									
Floyd County 5 SE Marble Rock	21	1220CST			0	0			Hail(1.75)
Floyd County 5 W Marble Rock	21	1223CST			0	0			Hail(1.25)
Floyd County Powersville	21	1243CST 1310CST			0	0			Funnel Cloud
Clayton County Garnavillo	21	1359CST 1401CST			0	0			Funnel Cloud
Chickasaw County 2 NW Ionia to 1.5 NW Ionia	21	1715CST 1718CST	0.5	30	0	0			Tornado (F0)
Chickasaw County 1 W New Hampton to 1 NE New Hampton	21	1715CST 1751CST			0	0			Hail(0.88)
Law enforcement officials observed a brief tornado touchdown along Highway 18 near Ionia (Chickasaw County). There was no damage reported with the storm. The public also reported hail the size of quarters and golf balls.									
Winneshiek County 1 N Burr Oak	26	1157CST			0	0			Funnel Cloud
Winneshiek County 1.5 W Ft Atkinson to 1 W Ft Atkinson	26	1322CST 1326CST	0.3	25	0	0	15K	7.5K	Tornado (F0)
Winneshiek County Jackson Jct	26	1328CST			0	0			Funnel Cloud
Fayette County 3.5 W Waucoma	26	1340CST			0	0			Funnel Cloud
Clayton County Highland	26	1430CST			0	0			Thunderstorm Wind (G52)
A tornado touched down on a farm just west of Fort Atkinson (Winneshiek County), completely destroying an old barn. Other nearby outbuildings sustained minor damage, as did a nearby farm house. There were no injuries reported.									
<u>IOWA, Northwest</u>									
Sioux County 1 NE Rock Vly	07	1605CST			0	0			Hail(0.88)
Lyon County Doon	07	1620CST			0	0			Hail(0.75)
Sioux County Orange City Arpt	07	1645CST			0	0	10K		Thunderstorm Wind (G67) ^M
Thunderstorm winds blew over a construction trailer and caused tree damage.									
Sioux County Hospers	07	1650CST			0	0			Thunderstorm Wind (G52)

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>IOWA, Northwest</u>									
Plymouth County									
10 W Merrill	07	1653CST			0	0			Thunderstorm Wind (G57)
O'Brien County									
2 W Sheldon	07	1655CST 1657CST	0.1	50	0	0			Tornado (F0)
A brief tornado, with a debris cloud, was observed by the county emergency manager in a field.									
Clay County									
2 N Dickens	07	1747CST			0	0			Hail(0.75)
Woodbury County									
Sioux City	07	1856CST 2000CST			0	0			Flash Flood
Very heavy rain caused widespread street flooding in Sioux City. Several cars were stalled.									
Woodbury County									
Danbury	10	2220CST			0	0	40K		Thunderstorm Wind (G61)
Thunderstorm winds caused widespread tree damage, including large limbs blown down. One large limb fell onto and damaged a house. Power lines and poles were also blown down.									
O'Brien County									
Archer	10	2337CST			0	0			Thunderstorm Wind (G57)
O'Brien County									
Hartley	10	2351CST			0	0	10K		Thunderstorm Wind (G61)
Thunderstorm winds caused widespread tree damage, including whole trees down.									
O'Brien County									
Primghar	10	2355CST			0	0			Thunderstorm Wind (G61)
Thunderstorm winds caused widespread tree damage, including at least one tree uprooted.									
Clay County									
Everly	11	0010CST			0	0			Thunderstorm Wind (G61)
Thunderstorm winds caused widespread tree damage, including several trees blown down.									
Dickinson County									
Arnolds Park	11	0030CST 0200CST			0	0			Flash Flood
Heavy rain flooded roads, including three feet of water covering U.S. Highway 71.									
Osceola County									
Melvin	11	0035CST 0200CST			0	0			Flash Flood
Heavy rain caused flooding of several roads.									
Sioux County									
4 SW Rock Vly	19	1950CST			0	0			Hail(1.00)
Lyon County									
2 S George	19	2025CST			0	0			Hail(0.75)
Plymouth County									
3 SE Craig	19	2038CST			0	0			Thunderstorm Wind (G61)
Thunderstorm winds caused tree damage, including 3 inch diameter branches blown down.									
Plymouth County									
6 E Craig	19	2045CST			0	0			Hail(1.00)
Sioux County									
3 SE Maurice	19	2100CST			0	0			Hail(0.88)
Sioux County									
2 SW Maurice	19	2100CST			0	0			Thunderstorm Wind (G52)
Thunderstorm winds blew down tree branches and corn crops. The amount of tree and crop damage was not known.									
Sioux County									
Alton	19	2105CST			0	0			Hail(0.75)

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<u>IOWA, Northwest</u>									
Sioux County									
Alton	19	2105CST			0	0			Thunderstorm Wind (G61)
Plymouth County									
5 SE Le Mars	20	1930CST			0	0			Hail(0.75)
Woodbury County									
2 W Climbing Hill to 5 N Smithland	20	2010CST 2020CST	5	100	0	0			Tornado (F0)
A tornado caused tree damage along a five mile long path.									
Woodbury County									
Climbing Hill	20	2037CST 2130CST			0	0			Flash Flood
Heavy rain flooded several roads and fields.									
<u>IOWA, Southwest</u>									
Harrison County									
4 NE Little Sioux	10	2157CST			0	0			Hail(1.00)
Harrison County									
1 W Little Sioux to 4 NE Little Sioux	10	2157CST 2205CST			0	0			Thunderstorm Wind (G50)
A cooperative observer near Little Sioux estimated thunderstorm wind gusts of 60 mph in addition to 1 inch hail. The winds also overturned a semi truck on I-29 near town.									
Harrison County									
Mondamin	10	2205CST			0	0			Thunderstorm Wind (G55)
Law enforcement estimated thunderstorm wind gusts of 65 mph which uprooted trees in Mondamin.									
Monona County									
Mapleton	10	2225CST			0	0			Thunderstorm Wind (G50)
Thunderstorm wind gusts split a large tree in town. The winds were estimated at around 60 mph.									
Shelby County									
Harlan	10	2250CST			0	0			Thunderstorm Wind (G50)
Thunderstorm wind gusts downed large tree limbs and power lines in Harlan.									
Page County									
1 NE Coin	12	1803CST			0	0			Hail(0.75)
Page County									
1 NE Coin	12	1803CST			0	0			Thunderstorm Wind (G50)
Thunderstorm wind gusts estimated at 60 mph broke large tree limbs near Coin. The winds were accompanied by 3/4 inch hail.									
Page County									
Shambaugh	12	1813CST			0	0			Hail(0.75)
Page County									
Shambaugh	12	1813CST			0	0			Thunderstorm Wind (G50)
Thunderstorm wind gusts broke large tree limbs in Shambaugh. Hail up to 3/4 inch accompanied the strong winds.									
Mills County									
Pacific Jet	12	2047CST			0	0			Hail(1.25)
Mills County									
Pacific Jet	12	2050CST			0	0			Thunderstorm Wind (G50)
A ham radio operator estimated a thunderstorm wind gust of around 60 mph. The winds were accompanied by hail up to an inch and quarter in diameter.									
Montgomery County									
Red Oak	18	0715CST			0	0			Hail(0.75)

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Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>KANSAS, East</u>									
Douglas County Lawrence	04	0855CST			0	0	4K		Lightning
									Lightning struck a radio station and started a fire that destroyed some equipment.
Shawnee County Topeka	04	0950CST			0	0	3K		Thunderstorm Wind (G61)
									Strong winds knocked down trees onto power lines and disrupted power for a time.
Shawnee County Topeka	04	0959CST			0	0			Hail(0.75)
Shawnee County Topeka	04	0959CST			0	0			Thunderstorm Wind (G60)
Shawnee County Topeka	04	0956CST 1030CST			0	0	300K		Flash Flood
									Heavy rains from thunderstorms in the area produced flashflooding in Topeka for a time during the morning hours of the 4th. A number of intersections were flooded. Cars were abandoned at 39th and Atwood as water flowed by 2 to 3 feet deep. Cars were seen floating on the water at 16th and Tyler. Some basements were flooded in the southwest part of Topeka.
Shawnee County Topeka	04	0959CST			0	0			Thunderstorm Wind (G65)
Shawnee County Topeka	04	1000CST			0	0			Thunderstorm Wind (G60)
									Thunderstorms developed over east central Kansas the morning of the 4th and produced reports of hail and strong winds in the Lawrence and Topeka areas. But the most damaging aspects of the storm was flash flooding caused by heavy rains that totaled over 3 inches in parts of Topeka. Runoff from the heavy rains produced flash flooding in Topeka as described above.
Shawnee County Topeka	09	1040CST			0	0	1.5K		Lightning
									Lightning struck a power line causing power outages for about a half hour.
Cloud County Jamestown	11	0306CST			0	0			Hail(0.75)
Ottawa County 4 N Ada	11	1552CST			0	0			Hail(0.75)
Cloud County 1 NNE Glasco	11	1613CST			0	0			Hail(0.88)
Cloud County 8 ESE Concordia	11	1630CST			0	0			Hail(1.75)
Cloud County 5 S Concordia	11	1640CST			0	0			Thunderstorm Wind (G61)
Republic County 2 W Agenda	11	1724CST			0	0			Hail(0.75)
Geary County 4 ESE Junction City	11	1745CST			0	0			Hail(0.75)
Riley County 2 NE Ogden	11	1759CST			0	0			Thunderstorm Wind (G52)
Washington County 9 N Morrowville	11	1822CST			0	0			Hail(0.88)
Wabaunsee County 7 E Alta Vista	11	1912CST			0	0			Hail(0.75)
Wabaunsee County 13 S Alma	11	1945CST			0	0			Thunderstorm Wind (G52)

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<u>KANSAS, East</u>									
Shawnee County									
Topeka	11	1949CST			0	0			Funnel Cloud
A funnel cloud was sighted by Law Enforcement officials.									
Shawnee County									
5 N Topeka	11	2005CST			0	0			Thunderstorm Wind (G55)
Shawnee County									
Auburn	11	2015CST			0	0			Thunderstorm Wind (G52)
Osage County									
Scranton	11	2025CST			0	0			Thunderstorm Wind (G52)
Osage County									
2 W Overbrook	11	2030CST			0	0			Thunderstorm Wind (G52)
Lyon County									
6 SW Emporia	11	2035CST			0	0			Thunderstorm Wind (G61)
Franklin County									
7 W Centropolis	11	2055CST			0	0			Thunderstorm Wind (G52)
Douglas County									
1 SE Lawrence	11	2057CST			0	0			Thunderstorm Wind (G57)
Coffey County									
2 SSE Waverly	11	2145CST			0	0			Thunderstorm Wind (G52)
Thunderstorms developed over north central Kansas late in the afternoon of the 11th and moved southeast into east central Kansas during the evening. Some of the storms became severe and produced numerous reports of large hail and strong winds.									
Cloud County									
5 NE Glasco	12	0542CST			0	0			Hail(0.75)
Cloud County									
2 W Jamestown	12	2148CST			0	0			Hail(1.00)
Cloud County									
7 S Jamestown	12	2202CST			0	0			Hail(0.88)
Brown County									
6 NE Hiawatha	26	1538CST			0	0			Hail(0.88)
Nemaha County									
3 NNW Corning	26	1610CST			0	0			Thunderstorm Wind (G63)
Nemaha County									
1 NW Corning	26	1614CST			0	0			Thunderstorm Wind (G52)
Nemaha County									
1 S Corning	26	1625CST			0	0			Hail(0.88)
Brown County									
3 S Hiawatha	26	1649CST			0	0			Hail(0.75)
Brown County									
6 WSW Hiawatha	26	1655CST			0	0			Hail(1.00)
Jackson County									
2 SSW Whiting	26	1655CST			0	0			Thunderstorm Wind (G61)
Brown County									
Powhattan	26	1702CST			0	0			Hail(1.00)
Jackson County									
7 E Holton	26	1710CST			0	0			Hail(0.88)
Jackson County									
7 E Holton	26	1710CST			0	0			Thunderstorm Wind (G61)

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					Killed	Injured	Property	Crops	
<u>KANSAS, East</u>									
Jefferson County 2 NW Valley Falls	26	1721CST			0	0			Thunderstorm Wind (G53)
Jackson County Denison	26	1722CST			0	0			Thunderstorm Wind (G52)
Jackson County Denison	26	1725CST			0	0			Thunderstorm Wind (G57)
Brown County 1 S Hiawatha to 2 W Horton	26	1730CST 1740CST			0	0			Flash Flood
Heavy rains from thunderstorms in the Hiawatha to Horton areas caused flash flooding with water over some roadways.									
Jefferson County Valley Falls	26	1730CST			0	0			Thunderstorm Wind (G52)
Jefferson County 3 NE Valley Falls	26	1731CST			0	0			Thunderstorm Wind (G61)
Jackson County Whiting	26	1736CST			0	0	7K		Lightning
Lightning struck a house and started a fire that destroyed a stove and left minor smoke damage in the house.									
Jefferson County 2 SW Valley Falls	26	1736CST			0	0			Thunderstorm Wind (G53)
Jefferson County 3 E Meriden	26	1740CST			0	0			Thunderstorm Wind (G52)
Shawnee County 5 N Topeka	26	1740CST			0	0			Thunderstorm Wind (G61)
Shawnee County Topeka	26	1745CST			0	0	50K		Lightning
Lightning struck a grain elevator and started a fire that damaged a filtering system.									
Pottawatomie County Wamego	26	1746CST			0	0			Thunderstorm Wind (G52)
Jefferson County 4 N Perry	26	1749CST			0	0			Funnel Cloud
A funnel cloud was sighted near Lake Perry dam.									
Shawnee County Topeka	26	1750CST			0	0	5K		Thunderstorm Wind (G60)
Strong winds damaged a roof in Topeka.									
Shawnee County 1 N Pauline	26	1800CST			0	0			Thunderstorm Wind (G52)
Wabaunsee County 2 W Paxico	26	1800CST			0	0			Hail(0.88)
Wabaunsee County 2 W Paxico	26	1800CST			0	0			Thunderstorm Wind (G52)
Nemaha County Seneca	26	1802CST			0	0			Hail(1.00)
Shawnee County Topeka	26	1807CST			0	0	50K		Lightning
Lightning struck a house and started a fire that destroyed the house.									
Shawnee County Topeka	26	1807CST			0	0	5K		Thunderstorm Wind (G61)
Strong winds knocked down trees and limbs onto power lines causing some damage.									
Douglas County 5 SE Lecompton	26	1812CST			0	0			Thunderstorm Wind (G52)

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<u>KANSAS, East</u>									
Shawnee County									
3 S Berryton	26	1827CST			0	0			Thunderstorm Wind (G56)
Osage County									
Burlingame	26	1830CST			0	0			Thunderstorm Wind (G57)
Morris County									
Parkerville	26	1831CST			0	0			Hail(0.75)
Morris County									
Parkerville	26	1835CST			0	0			Hail(0.75)
Wabaunsee County									
Alma	26	1836CST			0	0			Hail(0.75)
Douglas County									
Lawrence	26	1845CST			0	0			Hail(0.75)
Morris County									
Parkerville	26	1845CST			0	0			Hail(0.75)
Franklin County									
Williamsburg	26	1849CST			0	0			Thunderstorm Wind (G57)
Wabaunsee County									
7 E Alta Vista	26	1857CST			0	0			Hail(0.75)
Wabaunsee County									
7 E Alta Vista	26	1857CST			0	0			Thunderstorm Wind (G52)
Osage County									
2 N Lyndon	26	1900CST			0	0			Thunderstorm Wind (G52)
Franklin County									
1 E Williamsburg	26	1905CST			0	0			Thunderstorm Wind (G52)
Osage County									
Overbrook	26	1926CST			0	0			Thunderstorm Wind (G61)
Coffey County									
9 S Waverly	26	1930CST			0	0			Thunderstorm Wind (G52)
Coffey County									
5 ESE Gridley	26	1952CST			0	0			Thunderstorm Wind (G52)
Lyon County									
9 SW Emporia	26	2007CST			0	0			Thunderstorm Wind (G61)
Lyon County									
Emporia	26	2010CST			0	0	2K		Lightning
									Lightning struck a power line knocking out power for a time.
Lyon County									
Emporia	26	2010CST			0	0			Thunderstorm Wind (G52)
Lyon County									
5 N Olpe	26	2015CST			0	0			Thunderstorm Wind (G52)
Lyon County									
4 S Olpe	26	2020CST			0	0	1K		Lightning
									Lightning struck a tree near a power line causing some power outages for a time.
Morris County									
Wilsey	26	2040CST			0	0			Hail(0.75)
Morris County									
1 W Wilsey	26	2045CST			0	0			Hail(1.00)
Morris County									
1 SW Wilsey	26	2049CST			0	0			Hail(0.88)

Storm Data and Unusual Weather Phenomena

June 2002

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

KANSAS, East

Thunderstorms developed over northeast Kansas late in the afternoon of the 26th and gradually moved south to east central Kansas late in the evening. Many of the storms became severe and produced numerous reports of large hail and damaging winds. Heavy rains from the thunderstorms produced flash flooding in Brown county. But the most damage was done by lightning. A fire started by lightning completely destroyed a home in Topeka. Fires started by lightning also did some damage to a grain elevator in Topeka and to a house in Whiting.

KANSAS, Extreme Southeast

Cherokee County

Columbus	12	2046CST 2050CST			0	0	5K		Thunderstorm Wind (G55)
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Trees and power lines were blown down around Columbus.

Cherokee County

Columbus	12 13	2215CST 0000CST			0	0	0		Flash Flood
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Doppler radar estimated between two and three and a half inches of rain fell across central Cherokee County producing flash flooding. Several low water crossings were impassable for a few hours. Highway 69A and Flicker roads had the worst flooding and were closed for a period of time.

KANSAS, North Central

Smith County

Gaylord	02	1930CST			0	0	20K	0	Thunderstorm Wind (G51)
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Strong winds from an isolated thunderstorm downed some power poles in Gaylord.

Rooks County

Woodston	10	1929CST			0	0	0	0	Hail(0.88)
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Jewell County

7 N Burr Oak	10	2002CST			0	0	15K	100K	Hail(1.50)
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Smith County

1 E Smith Center	11	0242CST			0	0	0	0	Hail(0.75)
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Rooks County

2 N Palco	15	0537CST			0	0	0	0	Hail(0.75)
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Phillips County

6 SE Long Is	15	0930CST			0	0	0	400K	Hail(0.75)
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Phillips County

12 N Agra	15	1200CST			0	0	10K	450K	Hail(1.50)
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Smith County

9 N Kensington	15	1210CST			0	0	10K	500K	Hail(1.00)
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Smith County

2 E Athol	15	1255CST			0	0	0	400K	Hail(1.00)
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Phillips County

2 N Logan	15	1300CST			0	0	0	400K	Hail(0.75)
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Phillips County

3 SW Glade	15	1322CST			0	0	10K	400K	Hail(1.75)
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Rooks County

Stockton	15	1325CST			0	0	75K	500K	Thunderstorm Wind (G52)
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Osborne County

5 N Natoma	15	1355CST			0	0	0	0	Hail(1.00)
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Rooks County

2 E Codell	15	1355CST			0	0	5K	500K	Hail(0.75)
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Storm Data and Unusual Weather Phenomena

June 2002

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

Rooks County

Palco	15	1410CST			0	0	25K	500K	Thunderstorm Wind (G62)
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Rooks County

Codell	15	1415CST			0	0	25K	500K	Thunderstorm Wind (G62)
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An early morning hail and wind storm mowed down wheat and alfalfa fields, and fell many power poles in Phillips and Rooks counties. The storms moved south from south-central Nebraska and pummeled the area with hail, which drifted a foot deep, and wind gusts to 70 mph. Power poles were reported down all across Rooks county. Crop damage alone was estimated at about 4 million dollars.

KANSAS, Northeast

Leavenworth County

Basehor	04	0914CST			0	0			Hail(1.00)
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Atchison County

Effingham	11	1650CST			0	0			Hail(0.75)
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Atchison County

Lancaster	11	1705CST			0	0			Hail(1.75)
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Atchison County

4 W Atchison	11	1820CST			0	0			Hail(1.75)
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Johnson County

2 N (Ixd)Jhnsn Co Indsl	11	2150CST			0	0			Thunderstorm Wind (G74)
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Doniphan County

3 SW Highland	26	1555CST			0	0			Hail(0.75)
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Johnson County

Leawood	26	1800CST			0	0			Thunderstorm Wind (G60)
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6 inch tree limbs downed.

Johnson County

Olathe	26	1830CST			0	0	250K		Thunderstorm Wind (G70)
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Thunderstorm winds ripped off portions of a roof on a VFW building and a Toys "R" Us building. Numerous trees were uprooted. Tractor trailer rigs were overturned. Power lines were also downed and power poles were snapped in two. The downtown jail reported damage.

KANSAS, Northwest

KSZ001>004-013>016-027>029-041>042 **Cheyenne - Rawlins - Decatur - Norton - Sherman - Thomas - Sheridan - Graham - Wallace - Logan - Gove - Greeley - Wichita**

01	0000MST				0	0			Drought
30	2359MST								

Moderate to severe drought conditions persisted through the month of June across northwestern Kansas. Although local areas received beneficial moisture, most areas continued with below normal rainfall. The combination of much above normal temperatures and below normal precipitation resulted in below average crop yields and poor summer crop development.

Cheyenne County

1 NW St Francis	01	1635MST			0	0			Thunderstorm Wind (G52)
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4 inch diameter tree limbs were broken.

Gove County

3 WNW Quinter	02	1747MST			0	0			Thunderstorm Wind (G52)
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Sheridan County

16 SE Hoxie	02	1755MST			0	0			Thunderstorm Wind (G52)
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Sheridan County

16 SE Hoxie	02	1805MST			0	0			Thunderstorm Wind (G52)
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Strong thunderstorm winds bent over TV towers, tore off shingles, and uprooted cotton wood trees.

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>KANSAS, Northwest</u>									
Graham County 3 NE St Peter	02	1808MST			0	0			Thunderstorm Wind (G52)
Graham County 10 SW Penokee	02	1813MST			0	0			Thunderstorm Wind (G61)
Wallace County 14 S Wallace	04	0626MST			0	0			Hail(0.75)
Logan County 20 SW Russell Spgs	04	0635MST			0	0			Hail(1.00)
Decatur County 4 N Jennings	11	1220MST			0	0			Hail(1.75)
Wallace County 17 N Weskan	11 12	2010MST 2010MST			0	0			Thunderstorm Wind (G52)
Wallace County Sharon Spgs	11	2032MST			0	0			Thunderstorm Wind (G52)
Wallace County 7 NE Sharon Spgs	11	2037MST			0	0			Hail(1.00)
Wallace County Wallace	11	2042MST			0	0			Hail(1.75)
Greeley County 13 N Tribune	11	2057MST			0	0			Hail(1.00)
Logan County 8 SW Mc Allaster	11	2057MST			0	0			Hail(1.75)
Greeley County Tribune	11	2112MST			0	0			Hail(1.00)
Wichita County 7 W Leoti	11	2130MST			0	0			Hail(0.75)
Wichita County 1 W Leoti	11	2145MST			0	0			Hail(1.75)
Logan County 4 S Russell Spgs	13	1240MST			0	0			Hail(0.75)
Norton County 10 N Norton	15	1119MST			0	0			Hail(0.88)
Norton County 7 E Norton	15	1132MST			0	0			Hail(1.00)
Norton County 3 SW Norton	15	1135MST			0	0			Thunderstorm Wind (G52)
Wichita County 4 N Leoti	15	1139MST			0	0			Hail(1.00)
Wichita County 5 NE Leoti	15	1148MST			0	0			Hail(1.50)
Rawlins County Herndon	15	1153MST			0	0			Hail(1.00)
Decatur County Oberlin	15	1200MST			0	0			Hail(0.75)
Decatur County Oberlin	15	1205MST			0	0			Hail(1.00)

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>KANSAS, Northwest</u>									
Wichita County									
12 SSE Marienthal	15	1237MST			0	0			Hail(1.00)
Graham County									
Bogue	15	1245MST			0	0			Thunderstorm Wind (G52)
Strong thunderstorm winds blew down 5 to 6 inch diameter tree limbs									
Norton County									
7 W Lenora	17	1516MST			0	0			Hail(0.75)
Graham County									
4 SE Morland	17	1545MST			0	0			Hail(1.00)
Graham County									
Morland	17	1547MST			0	0			Hail(0.75)
Norton County									
11 NNW Norton	17	1620MST			0	0			Hail(0.75)
Norton County									
5 NE Norton	17	1640MST			0	0			Hail(1.75)
Greeley County									
1 NE Tribune	19	1515MST			0	0	1K		Thunderstorm Wind (G52)
Power poles down									
Greeley County									
10 NNE Tribune	19	1515MST			0	0	1K		Thunderstorm Wind (G56)
Power poles down									
Logan County									
8 WSW Russell Spgs	19	1530MST			0	0			Hail(0.88)
Wichita County									
12 NE Leoti	19	1530MST			0	0			Thunderstorm Wind (G52)
Wallace County									
9 SSW Sharon Spgs	19	1545MST			0	0			Hail(0.75)
Rawlins County									
14 S Herndon	19	1610MST			0	0			Hail(0.88)
Rawlins County									
9 S Herndon	19	1610MST	0.2	25	0	0			Tornado (F0)
Brief touchdown over open field. No known damage.									
Decatur County									
5 W Oberlin to 7 W Oberlin	19	1615MST 1625MST	2	100	0	0	7K		Tornado (F1)
Metal barn partially destroyed by tornado, losing several walls and most of the roof. Nearby house suffered minor roof damage.									
Rawlins County									
5 S Herndon to Herndon	19	1622MST 1655MST	5	100	0	0	7.5K		Tornado (F0)
Slow moving, weak tornado produced intermittent damage as it traveled north across mostly open fields before moving near the town of Herndon. Several irrigation circles were damaged and numerous trees were down and stripped of bark.									
Rawlins County									
5 S Herndon	19	1630MST			0	0			Hail(1.00)
Rawlins County									
5 S Herndon	19	1630MST			0	0	1.5K		Thunderstorm Wind (G60)
Several power poles down.									
Rawlins County									
2 SW Atwood	19	1640MST			0	0			Thunderstorm Wind (G52)
Rawlins County									
8 W Atwood	19	1645MST	0.2	25	0	0			Tornado (F0)
Brief touchdown. No known damage.									

Storm Data and Unusual Weather Phenomena

June 2002

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

Rawlins County

Ludell	19	1645MST	0.2	25	0	0	6K		Tornado (F1)
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Brief touchdown near Ludell. Several power poles were down, and irrigation equipment and trailer home were damaged.

Decatur County

8 S Oberlin	19	1650MST			0	0			Thunderstorm Wind (G61)
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Rawlins County

Herndon	19	1655MST			0	0			Hail(1.75)
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Rawlins County

5 W Herndon	19	1700MST			0	0			Hail(1.00)
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Decatur County

Oberlin	19	1703MST			0	0			Thunderstorm Wind (G52)
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Thomas County

9 N Levant to 12 N Levant	19	1707MST 1720MST	3	100	0	0	2.5K		Tornado (F1)
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Weak tornado moved slowly north at approximately 15 mph, traveling mainly across open fields. An irrigation circle was damaged.

Gove County

Grinnell	19	1720MST			0	0			Hail(0.75)
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Sheridan County

10 S Hoxie	19	1730MST			0	0			Hail(0.75)
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Sherman County

6 N Edson	19	1745MST	0.2	25	0	0			Tornado (F0)
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Brief touchdown. No known damage.

A line of scattered thunderstorms developed on a slow-moving surface boundary which stretched from southwest Nebraska through northwest Kansas during the late afternoon and evening hours. Storm movement was generally under 10 mph, and therefore the direction of many resultant wind and tornado events were guided by thunderstorm outflows. Four F-0 tornadoes and three F-1 tornadoes developed during this storm event. Tornadoes generally traveled from the south, southeast or east at speeds of 10 to 15 mph. Most tornadoes occurred over open country with no damage, but several moved near farmsteads and damaged barns and outbuildings, irrigation equipment and power poles.

Sherman County

7 N Kanorado	24	1455MST			0	0			Hail(0.75)
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Sherman County

10 S Kanorado	24	1605MST			0	0			Hail(0.75)
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Wallace County

18 NNW Weskan	24	1605MST			0	0			Hail(0.75)
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Cheyenne County

St Francis	25	2100MST			0	0			Hail(0.75)
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Sherman County

13 N Goodland	25	2110MST			0	0			Thunderstorm Wind (G56)
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Cheyenne County

Bird City	25	2124MST			0	0			Thunderstorm Wind (G51) ^M
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Sherman County

2 S Edson	25	2142MST			0	0			Thunderstorm Wind (G52)
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Rawlins County

Atwood	25	2145MST			0	0			Thunderstorm Wind (G52)
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Decatur County

Oberlin	25	2155MST			0	0			Thunderstorm Wind (G52)
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Decatur County

Oberlin	25	2209MST			0	0			Thunderstorm Wind (G52)
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Four to six-inch diameter tree limbs down.

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>KANSAS, Northwest</u>									
Thomas County									
Colby	25	2215MST			0	0			Thunderstorm Wind (G52)
			Four inch diameter tree limbs down.						
Wallace County									
Sharon Spgs	25	2220MST			0	0			Thunderstorm Wind (G52)
Logan County									
Oakley	25	2230MST			0	0			Thunderstorm Wind (G52)
Wallace County									
5 E Wallace	25	2315MST			0	0			Hail(0.75)
<u>KANSAS, Southeast</u>									
Reno County									
Hutchinson	04	0714CST			0	0			Hail(1.00)
Reno County									
1 E Hutchinson	04	0720CST			0	0			Hail(1.00)
Reno County									
Hutchinson	04	0725CST			0	0			Hail(1.75)
Reno County									
4 S Buhler	04	0728CST			0	0			Hail(1.50)
Reno County									
1 E Hutchinson	04	0734CST			0	0			Hail(1.00)
Harvey County									
2 W Hesston	04	0755CST			0	0			Hail(0.75)
Harvey County									
Hesston	04	0803CST			0	0			Hail(1.00)
Kingman County									
Penalosa	04	0808CST			0	0			Hail(1.00)
Reno County									
6 W Pretty Prairie	04	0830CST			0	0			Hail(0.75)
Marion County									
Marion	04	0840CST			0	0			Hail(1.00)
Kingman County									
Nashville	04	1142CST 1640CST			0	0			Flash Flood
			Many secondary roads flooded.						
Sedgwick County									
4 SW Goddard	04	1225CST			0	0			Hail(1.00)
Sedgwick County									
Goddard	04	1232CST			0	0			Hail(1.75)
Cowley County									
Arkansas City	04	1235CST			0	0			Hail(0.75)
Sedgwick County									
Maize	04	1243CST			0	0			Hail(0.75)
Cowley County									
Arkansas City	04	1315CST 2020CST			0	0			Flash Flood
			Many roads flooded.						

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>KANSAS, Southeast</u>									
Sumner County									
5 W Caldwell	04	1435CST 2020CST			0	0			Flash Flood
Roads water-covered.									
Cowley County									
10 SW Arkansas City	04	1544CST 2020CST			0	0			Flash Flood
Rainfalls of 5.22 inches in 2 hours produced flash flooding in parts of Highway 166.									
Sumner County									
1 S Ashton	04	1630CST 2020CST			0	0			Flash Flood
Some roads were barricaded.									
Russell County									
1 N Bunker Hill	11	1455CST			0	0			Hail(1.00)
Russell County									
3 E Bunker Hill	11	1502CST			0	0			Hail(1.00)
Russell County									
Wilson Lake	11	1515CST			0	0			Hail(1.75)
Ellsworth County									
Wilson	11	1517CST			0	0			Hail(1.00)
Cooperative observer.									
Lincoln County									
8 SW Lincoln to 4 SW Lincoln	11	1525CST 1527CST	4	110	0	0			Tornado (F0)
Remained in the country.									
Ellsworth County									
Wilson	11	1527CST			0	0			Hail(1.75)
Ellsworth County									
Wilson	11	1530CST			0	0			Hail(1.75)
Cooperative observer.									
Ellsworth County									
Wilson	11	1530CST			0	0			Hail(2.75)
No reports of damage, but one has to wonder.									
Lincoln County									
10 SW Lincoln	11	1533CST	1	55	0	0			Tornado (F0)
Obviously a brief touchdown.									
Ellsworth County									
3 E Wilson	11	1540CST			0	0	500K		Hail(2.75)
Numerous windows smashed out of homes, businesses and vehicles. Crop damage, especially to corn and wheat, was extensive. Area newspapers contributed greatly to this report.									
Ellsworth County									
3 E Wilson	11	1542CST			0	0	500K		Thunderstorm Wind (G70)
Major roof damage, with some roofs completely blown off homes. Windows blown out off both homes and vehicles. In cases where roofs were blown off homes, the resultant water damage from rains was extensive. Area newspapers contributed greatly to this report.									
Russell County									
4 S Dorrance	11	1542CST			0	0			Hail(1.00)
Ellsworth County									
9 NE Black Wolf	11	1558CST			0	0			Thunderstorm Wind (G61)
Lincoln County									
4 S Sylvan Grove	11	1605CST			0	0			Hail(0.75)

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>KANSAS, Southeast</u>									
Lincoln County 10 S Sylvan Grove	11	1618CST			0	0			Hail(1.25)
Lincoln County 10 S Sylvan Grove	11	1618CST			0	0			Hail(1.75)
Russell County Lucas	11	1628CST			0	0			Hail(1.00)
Lincoln County 8 S Sylvan Grove	11	1629CST			0	0			Hail(1.75)
Ellsworth County 2 E Ellsworth to 2 W Carneiro	11	1631CST 1637CST	8	110	0	0			Tornado (F0)
			Almost paralleling Highway 140, the tornado remained in open country.						
Ellsworth County Ellsworth	11	1632CST			0	0			Thunderstorm Wind (G52)
Ellsworth County Ellsworth	11	1632CST			0	0			Thunderstorm Wind (G52)
Ellsworth County 4 E Ellsworth	11	1702CST 1945CST			0	0			Flash Flood
			Sections of Highway 111 flooded.						
Ellsworth County Ellsworth	11	1715CST			0	0			Thunderstorm Wind (G78)
			Occurred at Rush Field. No damage was reported.						
Ellsworth County 2 S Kanapolis Res	11	1715CST 1730CST			0	0	100K		Thunderstorm Wind (G78)
			Camper overturned with many trees uprooted.						
Ellsworth County Kanapolis Res	11	1720CST			0	0	250K		Thunderstorm Wind (G74)
			Unspecified number of campers tipped over, at least two boats broke loose from their moorings and an unspecified number of private docks were damaged.						
Ellsworth County 1 S Kanapolis Res	11	1721CST 1730CST			0	0	125K		Thunderstorm Wind (G83)
			Widespread damage to campers, trees, power lines and power poles.						
Mcpheerson County 2 S Marquette	11	1722CST 1737CST			0	0	100K		Thunderstorm Wind (G78)
			Widespread roof damage as well as downed power lines and power poles.						
Mcpheerson County 5 S Marquette	11	1723CST 1738CST			0	0	100K		Thunderstorm Wind (G74)
			Widespread roof damage as well as downed power lines and power poles.						
Mcpheerson County 8 S Marquette	11	1730CST 1745CST			0	0	250K		Thunderstorm Wind (G87)
			Two 80-85 foot silos collapsed, destroying the office building and milling operation. A 45-by-50 foot metal pole barn was destroyed, being picked up and hurled into a field southeast of where it had been located. Numerous businesses and residences sustained roof damage and had windows blown out. Obviously, tree damage was widespread and numerous power lines and power poles were downed. Area newspapers contributed greatly to this report.						
Rice County 3 N Little River	11	1730CST 1740CST			0	0			Thunderstorm Wind (G52)

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>KANSAS, Southeast</u>									
Mcpherson County									
3 SW Mc Pherson	11	1735CST 1745CST			0	0	125K		Thunderstorm Wind (G74)
Widespread damage to roofs, trees, power lines and power poles.									
Rice County									
Galt	11	1735CST 1745CST			0	0	100K		Thunderstorm Wind (G70)
Widespread damage to roofs, power lines and power poles, and trees.									
Mcpherson County									
Lindsborg	11	1744CST			0	0			Hail(0.75)
Mcpherson County									
Lindsborg	11	1744CST 1755CST			0	0	125K		Thunderstorm Wind (G78)
Widespread damage to roofs, trees, power lines and power poles. (Cooperative observer).									
Saline County									
4 W Bridgeport to 4 S Bridgeport	11	1750CST			0	0			Hail(0.75)
Saline County									
3 S Smolan	11	1750CST			0	0			Hail(0.75)
Mcpherson County									
3 S Lindsborg	11	1751CST			0	0			Hail(0.88)
Mcpherson County									
1 S Galva	11	1804CST			0	0			Thunderstorm Wind (G52)
Mcpherson County									
1 W Galva	11	1813CST			0	0			Thunderstorm Wind (G56)
Branches 3-5 inches in diameter downed.									
Mcpherson County									
4 N Canton	11	1819CST			0	0			Thunderstorm Wind (G61)
Mcpherson County									
9 E Roxbury	11	1820CST			0	0			Thunderstorm Wind (G56)
Downed limbs.									
Rice County									
5 SW Bushton	11	1830CST			0	0			Hail(1.00)
Rice County									
Bushton	11	1833CST			0	0			Hail(0.75)
Marion County									
Durham	11	1838CST			0	0			Hail(1.00)
Marion County									
Hillsboro	11	1838CST			0	0			Hail(0.75)
Marion County									
Tampa	11	1838CST			0	0			Thunderstorm Wind (G61)
Saline County									
2 W Bridgeport	11	1838CST			0	0			Hail(0.75)
Marion County									
Hillsboro	11	1840CST			0	0			Hail(0.88)
Marion County									
4 N Hillsboro	11	1840CST			0	0			Hail(1.50)
Mcpherson County									
Mc Pherson	11	1840CST			0	0			Thunderstorm Wind (G52)

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>KANSAS, Southeast</u>									
Ellsworth County									
Ellsworth	11	1845CST 1945CST			0	0			Flash Flood
		Highway 14 flooded.							
Marion County									
5 NW Hillsboro	11	1854CST			0	0			Thunderstorm Wind (G65)
		No reports of damage.							
Reno County									
Hutchinson	11	1854CST			0	0			Hail(0.75)
Mcperson County									
Mc Pherson	11 12	1902CST 0117CST			0	0			Flash Flood
		Widespread street flooding.							
Mcperson County									
Canton	11	1910CST			0	0			Thunderstorm Wind (G56)
Mcperson County									
Mc Pherson	11 12	1912CST 0117CST			0	0			Flash Flood
		In northeast McPherson, streets were flooded 1-2 feet deep.							
Mcperson County									
Mc Pherson	11	1912CST			0	0			Thunderstorm Wind (G56)
		Six inch diameter limbs downed.							
Rice County									
6 W Chase	11	1913CST			0	0			Hail(1.00)
Rice County									
1 NW Chase	11	1915CST			0	0			Hail(1.00)
Marion County									
Goessel	11	1924CST			0	0			Thunderstorm Wind (G56)
Rice County									
Silica	11	1925CST			0	0			Hail(1.00)
Rice County									
2 N Little River	11	1930CST			0	0			Thunderstorm Wind (G52)
Rice County									
2 N Little River	11	1930CST			0	0			Thunderstorm Wind (G52)
Rice County									
4 NW Alden	11	1949CST			0	0			Thunderstorm Wind (G56)
		Tree damage. Area newspapers contributed to this report.							
Butler County									
4 E Potwin	11	1950CST			0	0			Thunderstorm Wind (G52)
Chase County									
1 NW Elmdale	11	1950CST			0	0			Thunderstorm Wind (G52)
Chase County									
2 SE Cottonwood Falls	11	2015CST			0	0			Thunderstorm Wind (G52)
Reno County									
Plevna	11	2028CST			0	0			Thunderstorm Wind (G52)
Reno County									
12 W Nickerson	11	2043CST			0	0			Thunderstorm Wind (G52)
Mcperson County									
Mc Pherson	11 12	2048CST 0117CST			0	0			Flash Flood
		Many roads flooded across the county.							

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>KANSAS, Southeast</u>									
Reno County									
2 N Buhler	11	2059CST 2200CST			0	0			Flash Flood
		Buhler Road flooded.							
Reno County									
2 E Haven	11	2132CST			0	0			Thunderstorm Wind (G52)
Sedgwick County									
Mt Hope	11	2135CST			0	0			Thunderstorm Wind (G61)
		Several limbs downed.							
Sedgwick County									
Mt Hope	11	2138CST			0	0			Hail(0.75)
Harvey County									
Newton	11 12	2150CST 0330CST			0	0			Flash Flood
		U.S. Highway 50 flooded to 12 inch depth. By 2245, several roads across the county were barricaded.							
Sedgwick County									
Wichita	11 12	2258CST 0400CST			0	0			Flash Flood
		Several intersections were flooded with one vehicle stranded.							
Kingman County									
1 NW Alameda	11	2327CST			0	0			Thunderstorm Wind (G52)
Mcpheerson County									
7 E Moundridge	12	0026CST 0117CST			0	0			Flash Flood
		One vehicle plus it's driver stranded in the Arrowhead/30th Avenue intersection.							
Montgomery County									
Independence	12	0045CST			0	0			Thunderstorm Wind (G52)
Sumner County									
Oxford	12	0056CST			0	0			Thunderstorm Wind (G50) ^M
Reno County									
1 NW Hutchinson	12	0400CST			0	0			Thunderstorm Wind (G52)
		Several limbs downed.							
Reno County									
Hutchinson	12	0410CST			0	0			Thunderstorm Wind (G52)
		Six inch diameter limbs downed.							
Sedgwick County									
Derby	12	0445CST			0	0			Thunderstorm Wind (G52)
Cowley County									
Winfield	12	0547CST			0	0			Thunderstorm Wind (G52) ^M
Cowley County									
Arkansas City	12	0550CST			0	0			Hail(1.00)
Cowley County									
Arkansas City	12	0557CST			0	0			Hail(0.75)
Cowley County									
8 E Rock	12	1650CST			0	0			Hail(0.75)
Cowley County									
7 W Atlanta to 6 W Atlanta	12	1654CST 1658CST	1	110	0	0			Tornado (F0)
		Remained in the country.							
Harper County									
13 E Freeport	12	1658CST			0	0			Hail(1.75)

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>KANSAS, Southeast</u>									
Harper County 3 NW Freeport	12	1706CST			0	0			Hail(1.75)
Harper County 2 NE Freeport	12	1712CST			0	0	25K		Hail(2.75) Roof damage and windows smashed on cars and homes.
Sedgwick County Clearwater	12	1715CST			0	0			Hail(0.75)
Butler County Rose Hill	12	1725CST			0	0			Hail(0.75)
Harper County 2 SE Freeport to 3 E Freeport	12	1735CST 1736CST	1	110	0	0			Tornado (F0) Remaining in the country, this tornado would cross the Harper/Sumner county line at 1736.
Sumner County 5 SW Milan to 3 SW Milan	12	1736CST 1738CST	2	110	0	0			Tornado (F0) The same tornado that began 2 miles southeast of Freeport, this tornado crossed the Harper/Sumner county line at 1736, lifting 3 miles southwest of Milan.
Sedgwick County .5 E Greenwich	12	1740CST			0	0			Hail(1.00) Cooperative observer.
Woodson County Yates Center	12	1742CST			0	0			Hail(1.00)
Harper County 5 E Freeport	12	1744CST			0	0			Hail(0.75)
Sumner County 7 S Argonia	12	1744CST			0	0			Hail(1.00)
Butler County Rose Hill to 4 NW Douglass	12	1800CST 1810CST	4	110	0	0			Tornado (F0) Although the tornado remained in open country, it traveled perilously close to the Burlington Northern Santa Fe railroad tracks.
Sumner County 7 NW Caldwell	12	1807CST	0.5	55	0	0			Tornado (F0) Brief touchdown in open country.
Kingman County 2 NW Spivey	12	1814CST			0	0			Hail(0.75)
Butler County 1 E Douglass	12	1841CST 2255CST			0	0			Flash Flood Some roads flooded 3-5 inches deep.
Wilson County Buffalo	12	1845CST			0	0			Thunderstorm Wind (G52)
Butler County 3.5 W Douglass	12	1853CST 2255CST			0	0			Flash Flood Indianola/210th St. intersection flooded 1 foot deep.
Wilson County Buffalo	12	1855CST			0	0			Thunderstorm Wind (G52)
Sumner County 5 SW Mayfield	12	1940CST			0	0			Hail(0.75)

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>KANSAS, Southeast</u>									
Sedgwick County									
Wichita	12	1946CST 2100CST			0	0			Flash Flood
Harry & Meridian intersection flooded curb to curb.									
Butler County									
Douglass	12	2017CST 2255CST			0	0			Flash Flood
Most roads in and around town flooded.									
Cowley County									
4 W Atlanta	12	2020CST 2255CST			0	0			Flash Flood
32nd Street barricaded.									
Neosho County									
1 S Earlton	12	2038CST 2300CST			0	0			Flash Flood
Highway 169 flooded 6-8 inches deep.									
Sumner County									
10 S Wellington	12 13	2045CST 0040CST			0	0			Flash Flood
Highway 81/Rome Rd. intersection flooded 2 feet deep.									
Ellsworth County									
5 N Holyrood	15	1110CST			0	0			Hail(0.75)
Russell County									
2 N Russell	15	1156CST			0	0			Hail(0.75)
Barton County									
9 N Claflin	15	1202CST			0	0			Hail(1.00)
Russell County									
6 S Dorrance	15	1202CST			0	0			Hail(1.00)
Ellsworth County									
5 N Holyrood	15	1212CST			0	0			Hail(0.75)
Ellsworth County									
1 S Holyrood	15	1224CST			0	0			Hail(1.00)
Ellsworth County									
2 W Lorraine	15	1225CST			0	0			Hail(1.75)
Rice County									
1 NE Mitchell	15	1227CST			0	0			Hail(0.75)
Russell County									
Dorrance	15	1231CST			0	0			Hail(0.88)
Ellsworth County									
Frantz	15	1235CST			0	0			Hail(0.75)
Ellsworth County									
Lorraine	15	1238CST			0	0			Hail(1.00)
Rice County									
2 SE Frederick	15	1241CST			0	0			Hail(1.00)
Rice County									
7 N Lyons	15	1251CST			0	0			Hail(1.75)
No damage estimates available, but damage to corn and wheat was considerable; approximately 30 to 35 percent. Area newspapers contributed to this report.									
Rice County									
Lyons	15	1257CST			0	0			Hail(0.75)

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>KANSAS, Southeast</u>									
Rice County 3 NW Chase	15	1300CST			0	0			Hail(0.88)
Rice County Silica	15	1301CST			0	0			Hail(0.75)
Reno County 1 N Buhler	15	1306CST			0	0			Hail(0.75)
Mepherson County 3 W Inman	15	1341CST			0	0			Hail(0.75)
Rice County 2 W Alden	15	1350CST			0	0			Hail(0.88)
									Damage estimates aren't available, but damage to corn and wheat was considerable. Area newspapers contributed greatly to this report.
Harvey County 1 N Burrton	15	1400CST			0	0			Hail(0.75)
Reno County 12 W Nickerson	15	1400CST			0	0			Hail(1.00)
Russell County Luray	15	1412CST			0	0			Thunderstorm Wind (G52) ^M
									Luray Elementary Weatherlab.
Russell County Milberger	15	1417CST			0	0			Hail(1.00)
Reno County 3 W Hutchinson	15	1430CST			0	0			Hail(1.00)
Russell County Russell	15	1435CST			0	0			Thunderstorm Wind (G56)
Russell County Russell	15	1437CST			0	0			Thunderstorm Wind (G70)
Reno County 4 NE Partridge	15	1438CST			0	0			Hail(0.88)
Russell County Russell	15	1438CST			0	0			Thunderstorm Wind (G54) ^M
									Ruppenthal Middle School Weatherlab.
Russell County 7 S Gorham	15	1440CST			0	0			Hail(0.75)
Sedgwick County Wichita	15	1443CST			0	0			Hail(0.88)
									KSN Channel 3. Occurred in North Wichita.
Reno County 4 NE Partridge	15	1444CST			0	0			Hail(1.00)
									No dollar estimate available. However, accompanied by 50-60kt winds, the hail damaged approximately 75,000 acres of wheat, with potential losses reaching 25 million bushels. (See 1456 entry for 4N Castleton).
Russell County 5 S Gorham	15	1446CST			0	0			Thunderstorm Wind (G61)
Russell County Russell	15	1448CST			0	0			Thunderstorm Wind (G59) ^M
									NWS ASOS station.
Barton County 4 NW Galatia	15	1450CST			0	0			Thunderstorm Wind (G52)

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>KANSAS, Southeast</u>									
Sedgwick County									
Wichita	15	1450CST			0	0			Thunderstorm Wind (G56)
Reno County									
4 N Castleton	15	1456CST			0	0			Thunderstorm Wind (G52)
No dollar estimate available. However, the 52kt winds were accompanied by pea-sized hail that damaged approximately 75,000 acres of wheat resulting in potential losses reaching 25 million bushels. (See 1444 entry for 4NE Partridge).									
Butler County									
2 S Andover	15	1504CST			0	0			Hail(0.75)
Reno County									
5 S Haven	15	1508CST	0.5	55	0	0			Tornado (F0)
Brief tornadic event, the tornado was also spotted by a highway patrol officer and a trained spotter.									
Reno County									
10 SE Haven	15	1515CST			0	0			Thunderstorm Wind (G61)
Limbs downed.									
Barton County									
Susank	15	1517CST			0	0			Thunderstorm Wind (G52)
Reno County									
Cheney Res	15	1519CST			0	0			Thunderstorm Wind (G61)
Reno County									
Cheney Res	15	1520CST			0	0			Hail(0.75)
Barton County									
5 W Hoisington	15	1521CST			0	0			Thunderstorm Wind (G52)
Rice County									
11 SE Lyons	15	1531CST			0	0			Thunderstorm Wind (G56)
Reno County									
Cheney Res	15	1536CST			0	0			Thunderstorm Wind (G61)
Two large cottonwood trees uprooted.									
Sedgwick County									
2 SW Andale	15	1536CST			0	0			Thunderstorm Wind (G52)
Sedgwick County									
3 W Goddard	15	1539CST			0	0			Thunderstorm Wind (G79) ^M
Sedgwick County									
6 S Andale	15	1542CST			0	0			Thunderstorm Wind (G79) ^M
Mcperson County									
6 E Inman	15	1549CST			0	0			Thunderstorm Wind (G52)
Mcperson County									
7 S Mc Pherson	15	1555CST			0	0			Thunderstorm Wind (G56)
Mcperson County									
Moundridge	15	1608CST			0	0			Thunderstorm Wind (G52)
Reno County									
Plevna	15	1611CST			0	0			Thunderstorm Wind (G61)
Reno County									
Sylvia	15	1613CST			0	0			Thunderstorm Wind (G52)
Harvey County									
Halstead	15	1622CST			0	0			Thunderstorm Wind (G61)
Rice County									
Lyons	15	1630CST 1820CST			0	0			Flash Flood
Several county roads flooded.									

Storm Data and Unusual Weather Phenomena

June 2002

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

Saline County

Salina	15	1635CST			0	0	10K		Lightning
Power line knocked down just south of Iron Ave./Columbia Ave. intersection, tripping a circuit breaker that severed power to 656 people including the Penn Campus of Salina Regional Health Center and the Salina Journal.									

Reno County

3 N Nickerson	15	1638CST 2035CST			0	0			Flash Flood
K96 flooded as well many county roads.									

Harvey County

Hesston	15	1645CST 2035CST			0	0			Flash Flood
Dutch Avenue flooded.									

Butler County

4 SW Augusta	15	1700CST 2125CST			0	0			Flash Flood
Santa Fe Lake Road flooded.									

Harper County

1 N Harper	15	1712CST			0	0			Thunderstorm Wind (G52)
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Kingman County

Kingman	15	1725CST			0	0	15K		Thunderstorm Wind (G56)
Several trees and power lines downed.									

Harper County

Anthony	15	1744CST			0	0			Thunderstorm Wind (G52)
Several trees downed.									

Sedgwick County

Wichita	15	1800CST 2100CST			0	0			Flash Flood
In South Wichita, West Street flooded.									

Russell County

4 NW Milberger	15	2015CST			0	0			Hail(1.00)
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Barton County

6 NE Hoisington	15	2101CST			0	0			Hail(0.75)
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Mcperson County

Galva	26	1856CST			0	0			Hail(1.00)
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Greenwood County

Madison	26	2025CST			0	0			Thunderstorm Wind (G52)
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Greenwood County

Hamilton	26	2108CST			0	0			Thunderstorm Wind (G52)
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Chase County

Hymer	26	2110CST			0	0			Hail(0.75)
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Greenwood County

Severy	26	2131CST			0	0	25K		Thunderstorm Wind (G70)
Roof blown off a store.									

KANSAS, Southwest

Hamilton County

10 S Syracuse	02	1823CST			0	0	1K		Thunderstorm Wind
A couple of power poles were blown down.									

Ness County

4 NE Utica	02	1855CST			0	0			Thunderstorm Wind (G61)
Two to three inch diameter tree branches were broken by the wind.									

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>KANSAS, Southwest</u>									
Trego County									
16 SW Trego Center	02	1900CST			0	0			Thunderstorm Wind (G70) Six to eight inch diameter tree branches were broken.
Morton County									
Rolla	03	1635CST			0	0			Hail(1.75)
Morton County									
Rolla	03	1637CST			0	0			Hail(0.75) The hail covered the ground.
Morton County									
3 NE Rolla	03	1643CST			0	0			Hail(1.00)
Stanton County									
Johnson	03	1645CST			0	0			Hail(0.75)
Stevens County									
3 NW Feterita	03	1655CST			0	0			Hail(0.75)
Stevens County									
1 S Moscow	03	1755CST			0	0			Hail(1.25)
Stevens County									
Moscow	03	1800CST			0	0			Hail(0.75)
Haskell County									
Satanta	03	1830CST			0	0			Hail(1.00)
Haskell County									
4 SW Sublette	03	1839CST			0	0			Hail(0.75)
Haskell County									
4 SW Sublette	03	1842CST			0	0			Hail(0.88)
Haskell County									
Sublette	03	1847CST			0	0			Hail(0.88)
Morton County									
10 SW Richfield	03	2330CST			0	0			Thunderstorm Wind (G52)
Stevens County									
3 NE Moscow	04	0230CST			0	0			Hail(1.00) The hail fell at a location 2 miles west of Cave, in Stevens county.
Seward County									
Liberal	04	0244CST			0	0			Hail(0.88)
Meade County									
10 NNE Plains	04	0315CST			0	0			Hail(0.75)
Meade County									
3 S Fowler	04	0340CST			0	0			Hail(1.00)
Clark County									
5 W Minneola	04	0400CST			0	0			Hail(0.75)
Seward County									
9 S Kismet	04	0415CST			0	0			Hail(0.75)
Ford County									
4 NE Bucklin	04	0435CST			0	0			Hail(0.75)
Clark County									
16 NW Ashland	04	0515CST			0	0			Hail(0.75)
Pratt County									
Pratt	04	0723CST			0	0			Hail(0.75)

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>KANSAS, Southwest</u>									
Pratt County									
8 E Pratt	04	0728CST			0	0			Hail(0.75)
Finney County									
16 SW Garden City	10	1452CST			0	0			Hail(0.88)
Haskell County									
15 N Sublette	10	1500CST			0	0			Hail(1.00)
Finney County									
4 SSW Plymell	10	1550CST			0	0			Hail(0.75)
Gray County									
8 N Copeland	10	1555CST			0	0			Hail(1.00)
Ness County									
5 S Ransom	10	1600CST			0	0			Hail(0.88)
Ness County									
5 S Ransom	10	1600CST			0	0			Thunderstorm Wind (G52)
Ness County									
3 SSW Ransom	10	1600CST			0	0			Thunderstorm Wind (G61)
Haskell County									
10 NNE Sublette	10	1605CST			0	0			Thunderstorm Wind (G61)
Gray County									
8 N Copeland	10	1615CST			0	0			Hail(1.75)
Gray County									
10 N Copeland	10	1615CST			0	0			Hail(1.75)
Lane County									
Dighton	10	1615CST			0	0			Hail(0.75)
Gray County									
8 W Montezuma	10	1620CST			0	0			Hail(2.75)
Gray County									
7 N Montezuma	10	1622CST			0	0			Hail(1.00)
Gray County									
7 N Montezuma	10	1622CST			0	0			Thunderstorm Wind (G61) Two to three inch diameter tree limbs blown down.
Gray County									
6 W Montezuma	10	1630CST			0	0			Hail(1.50)
Gray County									
2 N Montezuma	10	1634CST			0	0			Hail(4.50)
Gray County									
3 NW Montezuma	10	1635CST			0	0			Hail(1.75)
Gray County									
1 N Montezuma	10	1636CST			0	0			Hail(1.00)
Ford County									
Dodge City Arpt	10	1637CST			0	0			Thunderstorm Wind (G83) ^M The 96 mph wind gusts was measured by backup wind equipment.
Ford County									
Dodge City Arpt	10	1637CST			0	0	25K		Thunderstorm Wind Off duty NWS employee stepped outside the office to witness an airport hanger being ripped off by high wind. The remnants of the hanger landed 150 yards from the employee.
Ford County									
Dodge City Arpt	10	1639CST			0	0			Thunderstorm Wind (G56) ^M

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<u>KANSAS, Southwest</u>									
This wind was measured by ASOS, about 3/4 of a mile north of the actual office where a 96 mph wind gust was recorded by backup wind equipment.									
Gray County									
6 WNW Montezuma	10	1640CST			0	0			Hail(2.50)
Ness County									
3 S Arnold	10	1640CST			0	0			Thunderstorm Wind (G70) ^M
A roof was blown off a building by the high wind.									
Gray County									
Montezuma	10	1650CST			0	0			Hail(2.75)
Gray County									
5 WNW Montezuma	10	1652CST			0	0			Hail(0.88)
Ford County									
2.5 NW Dodge City	10	1653CST			0	0			Thunderstorm Wind (G87)
A 12 x 16 foot outbuilding was completely destroyed and a cedar fence with steel posts was bent over by the high downburst wind. The high wind lasted no more than 15 seconds.									
Meade County									
9 N Meade	10	1655CST			0	0			Hail(1.00)
Gray County									
6 WNW Montezuma	10	1659CST			0	0			Thunderstorm Wind (G56)
Gray County									
6 SW Montezuma	10	1705CST 1707CST	0.3	30	0	0			Tornado (F0)
This small tornado did no damage.									
Ford County									
17 SW Dodge City	10	1715CST			0	0			Hail(0.75)
Ford County									
4 N Dodge City	10	1730CST			0	0	10K		Thunderstorm Wind
A 50 x 50 foot roof was blown off an outbuilding.									
Gray County									
7 SE Cimarron	10	1740CST			0	0			Hail(0.75)
Ford County									
13 W Bloom	10	1742CST			0	0			Hail(1.75)
Meade County									
10 W Fowler	10	1745CST			0	0			Hail(1.00)
Meade County									
10 W Fowler	10	1745CST			0	0			Thunderstorm Wind (G70)
Clark County									
Minneola	10	1747CST			0	0			Hail(0.88)
Clark County									
Minneola	10	1748CST			0	0			Hail(1.00)
Clark County									
Minneola	10	1752CST			0	0			Hail(0.75)
Ford County									
7 WNW Bloom	10	1803CST			0	0			Hail(0.88)
Clark County									
Minneola	10	1833CST			0	0			Hail(1.75)
Clark County									
4 S Minneola	10	1838CST			0	0			Hail(1.75)
Clark County									
3 N Minneola	10	1840CST			0	0			Hail(1.75)

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>KANSAS, Southwest</u>									
Ford County 13 W Bloom	10	1840CST			0	0			Hail(1.75)
Ford County 13 W Bloom	10	1840CST			0	0			Thunderstorm Wind (G70)
Clark County 5 S Minneola	10	1847CST			0	0			Hail(2.75)
Clark County 7 SE Minneola	10	1900CST			0	0			Hail(4.50)
Kiowa County 1 NE Haviland	10	1900CST			0	0			Hail(0.88)
Kiowa County 1 NE Haviland	10	1900CST			0	0			Thunderstorm Wind (G52)
Clark County 1 N Clark State Lake	10	1926CST			0	0			Hail(1.75)
Clark County Clark State Lake	10	1932CST			0	0			Hail(1.00)
Pratt County 2 SE Cullison	10	1940CST			0	0			Thunderstorm Wind (G52)
Hodgeman County 8 N Jetmore	11	1740CST			0	0			Hail(0.75)
Ness County 9 SSE Ness City	11	1825CST			0	0			Hail(1.00)
Ness County 10 ESE Ness City	11	1832CST			0	0			Hail(0.88)
Ness County 4 ENE Bazine	11	1905CST			0	0			Hail(1.75)
									Windows were broken out by the hail.
Rush County 1 WSW Mc Cracken	11	1915CST			0	0			Hail(1.75)
Stafford County 8 N Hudson	11	1930CST			0	0			Hail(0.75)
Stafford County 3 N Seward	11	1937CST			0	0			Hail(1.00)
Rush County Liebenthal	11	2000CST			0	0			Hail(0.88)
Stafford County Seward	11	2005CST			0	0			Hail(1.00)
Pawnee County 8 E Larned	11	2015CST			0	0			Hail(0.88)
Stafford County 8 NE Hudson	11	2015CST			0	0			Hail(0.75)
Ellis County Schoenchen	11	2019CST			0	0			Hail(0.75)
Pawnee County 15 SE Larned	11	2050CST			0	0			Thunderstorm Wind (G60)
									Three inch diameter tree limbs broken.
Stafford County 5 W St John	11	2050CST			0	0			Hail(0.75)

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<u>KANSAS, Southwest</u>									
Stafford County									
3 W St John	11	2055CST			0	0			Hail(0.88)
Stafford County									
1 NW St John	11	2100CST			0	0			Hail(1.25)
Stafford County									
St John	11	2110CST			0	0			Hail(0.75)
Stafford County									
3 SSE St John	11	2117CST			0	0			Hail(1.00)
Stafford County									
Stafford	11	2120CST			0	0	8K		Thunderstorm Wind
									The wind damaged the roof of a local restaurant and broken numerous three to five inch diameter tree limbs.
Stafford County									
4 S Stafford	11	2135CST			0	0	53K		Thunderstorm Wind
									A pivot sprinkler was blown down along with 6 to 7 power poles
Pratt County									
11 NNE Pratt	11	2214CST			0	0			Thunderstorm Wind (G52)
Stafford County									
6 S Stafford	11	2220CST			0	0			Thunderstorm Wind (G78)
									Two foot diameter trees blown down.
Scott County									
7 WSW Shallow Water	11	2310CST			0	0			Hail(1.00)
Scott County									
16 SE Scott City	11	2330CST			0	0			Thunderstorm Wind (G52)
Lane County									
16 SW Dighton	11	2350CST			0	0			Hail(0.88)
Lane County									
16 SW Dighton	11	2350CST			0	0			Thunderstorm Wind (G78)
Finney County									
10 N Garden City	11	2354CST			0	0			Hail(1.00)
Finney County									
11 ENE Garden City	11	2359CST			0	0			Hail(1.00)
Finney County									
11 ENE Garden City	11	2359CST			0	0			Thunderstorm Wind (G70)
Finney County									
13 W Kalvesta	12	0015CST			0	0			Hail(0.75)
Hodgeman County									
16 W Jetmore	12	0028CST			0	0			Hail(0.88)
Hodgeman County									
11 WNW Jetmore	12	0030CST			0	0			Hail(0.88)
Hodgeman County									
13 WSW Jetmore	12	0036CST			0	0			Hail(0.75)
Hodgeman County									
4 W Jetmore	12	0055CST			0	0			Hail(0.88)
Pawnee County									
3 SE Larned	12	0100CST			0	0			Hail(1.75)
Hodgeman County									
Jetmore	12	0107CST			0	0			Thunderstorm Wind (G53) ^M

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<u>KANSAS, Southwest</u>									
Pawnee County									
3 SE Larned	12	0115CST			0	0			Hail(0.75)
Hodgeman County									
12 SE Jetmore	12	0120CST			0	0			Hail(0.75)
Pawnee County									
1 S Burdett	12	0123CST			0	0			Hail(0.75)
Ford County									
4 ENE Spearville	12	0125CST			0	0			Hail(1.00)
Pawnee County									
5 SE Larned	12	0130CST			0	0			Thunderstorm Wind (G61)
		A few three inch diameter tree limbs were blown down.							
Edwards County									
3 S Offerle	12	0200CST			0	0			Hail(0.88)
Pawnee County									
8 SE Larned	12	0220CST			0	0			Hail(0.88)
Comanche County									
23 SE Coldwater	12	1550CST			0	0			Hail(0.88)
Barber County									
8 WNW Hardtner	12	1609CST			0	0			Hail(0.88)
Barber County									
3 SW Medicine Lodge	12	1627CST			0	0			Hail(2.75)
Barber County									
Medicine Lodge	12	1655CST			0	0			Hail(4.50)
Barber County									
Medicine Lodge	12	1656CST			0	0			Hail(2.75)
Barber County									
2 E Medicine Lodge	12	1703CST			0	0			Hail(2.50)
Barber County									
8 WNW Medicine Lodge	12	1710CST			0	0			Hail(1.00)
Pratt County									
11 E Sawyer	12	1745CST			0	0			Hail(1.00)
Trego County									
8 NE Wakeeney	13	0030CST			0	0			Hail(0.88)
Ness County									
1 N Ransom	13	0230CST			0	0			Hail(0.88)
Ness County									
Ransom	13	0231CST			0	0			Hail(0.75)
Hamilton County									
5 S Coolidge	14	1835CST			0	0			Hail(2.50)
Hamilton County									
4 W Syracuse	14	1909CST			0	0			Hail(0.88)
Kearny County									
12 W Lakin	14	1935CST			0	0			Hail(1.75)
Ellis County									
Victoria	15	0801CST			0	0			Hail(0.75)
		Hail covered the ground.							
Scott County									
15 NW Scott City	15	1258CST			0	0			Hail(0.88)

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<u>KANSAS, Southwest</u>									
Scott County									
4 W Scott City	15	1302CST			0	0			Hail(0.75)
Scott County									
Scott City	15	1321CST			0	0			Hail(0.88)
Scott County									
12 SW Scott City	15	1325CST			0	0			Hail(1.00)
Scott County									
6 SW Shallow Water	15	1330CST			0	0			Hail(1.50)
Lane County									
Dighton	15	1340CST			0	0			Hail(1.00)
Ness County									
Ransom	15	1355CST			0	0	10K		Thunderstorm Wind
A combine header was blown off a parked trailer.									
Finney County									
17 NNW Garden City	15	1358CST			0	0			Hail(1.00)
Kearny County									
8 NE Lakin	15	1415CST			0	0			Hail(1.00)
Lane County									
12 S Alamota	15	1415CST			0	0	5K		Thunderstorm Wind
The wind caused some roof damage and took down numerous two inch diameter tree limbs.									
Finney County									
Holcomb	15	1426CST			0	0			Hail(0.75)
Trego County									
Trego Center	15	1429CST			0	0			Thunderstorm Wind (G61) ^M
Hodgeman County									
16 W Jetmore	15	1430CST			0	0			Hail(0.88)
Kearny County									
4 N Deerfield	15	1430CST			0	0			Hail(1.75)
Finney County									
Holcomb	15	1435CST			0	0			Hail(1.00)
Finney County									
11 W Plymell	15	1435CST			0	0			Hail(1.00)
Hodgeman County									
12 W Jetmore	15	1435CST			0	0			Hail(0.75)
Ellis County									
1 S Victoria	15	1440CST			0	0			Thunderstorm Wind (G70)
Many "large" tree limbs were blown down.									
Ford County									
3 E Dodge City	15	1440CST			0	0			Thunderstorm Wind (G70)
A 450 pound roof was blown off an observatory.									
Ford County									
3 N Dodge City	15	1445CST			0	0			Hail(0.75)
Ness County									
Ness City	15	1500CST			0	0			Thunderstorm Wind (G78)
Finney County									
10 S Holcomb	15	1508CST 1510CST	0.5	30	0	0			Tornado (F0)
This landspout tornado did no damage.									

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>KANSAS, Southwest</u>									
Rush County									
Loretta	15	1509CST			0	0			Thunderstorm Wind (G78)
									Five to six inch diameter tree limbs blown down.
Haskell County									
15 N Satanta to 14 N Satanta	15	1527CST 1534CST	1.2	50	0	0			Tornado (F0)
									This small tornado moved south/southeast but did no damage due to it's location over cropland.
Gray County									
Copeland	15	1545CST			0	0			Hail(0.88)
Haskell County									
Sublette	15	1550CST			0	0			Hail(1.75)
Haskell County									
Tice	15	1553CST			0	0			Hail(0.88)
Morton County									
13 NW Richfield	15	1600CST			0	0			Thunderstorm Wind (G61)
									Three inch diameter tree limbs blown down.
Haskell County									
Sublette	15	1605CST			0	0			Hail(1.00)
Seward County									
24 N Liberal	15	1607CST			0	0			Hail(1.00)
Edwards County									
Kinsley	15	1615CST			0	0			Thunderstorm Wind (G61)
									Power lines were blown down. A few trees were blown down across the road.
Haskell County									
7 SE Sublette	15	1630CST			0	0			Hail(0.75)
Meade County									
8 S Meade	15	1640CST			0	0			Hail(1.00)
Seward County									
24 NNW Liberal	15	1648CST			0	0			Hail(0.88)
Stevens County									
5 NE Moscow	15	1651CST			0	0			Hail(0.88)
									Hail fell in Cave.
Seward County									
Liberal	15	1655CST			0	0	15K		Thunderstorm Wind
									A roof was blown off a house and trees were damaged.
Seward County									
3 NW Liberal	15	1658CST			0	0	9K		Thunderstorm Wind
									A carport was demolished by the high wind.
Edwards County									
8 NW Kinsley	15	1700CST			0	0			Thunderstorm Wind (G70)
									Four inch tree limbs were blown down.
Grant County									
14 SW Ulysses	15	1700CST			0	0			Hail(0.88)
Morton County									
Elkhart	15	1700CST			0	0			Thunderstorm Wind (G61)
									Numerous two inch tree limbs were blown down.
Hamilton County									
4 W Syracuse	15	1715CST			0	0			Hail(0.75)
Grant County									
14 SE Ulysses	17	1401CST			0	0			Hail(0.88)

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<u>KANSAS, Southwest</u>									
Stevens County									
5 NE Moscow	17	1425CST			0	0			Hail(0.75)
		The hail fell in Cave.							
Seward County									
20 NNW Liberal	17	1428CST			0	0			Hail(0.75)
Stevens County									
Hugoton	17	1450CST			0	0			Hail(0.75)
Stevens County									
10 SW Hugoton	17	1525CST			0	0			Hail(1.75)
Stevens County									
Hugoton	17	1529CST			0	0			Hail(0.75)
Stevens County									
9 SSE Feterita	17	1545CST			0	0			Hail(0.75)
Morton County									
6 SE Rolla	17	1620CST			0	0			Hail(1.25)
Stevens County									
11 SW Hugoton	17	1630CST			0	0			Hail(1.25)
Trego County									
21 S Collyer	17	1805CST			0	0			Hail(0.75)
Ness County									
4 N Arnold	17	1810CST			0	0			Hail(1.75)
Ness County									
13 N Ness City	17	1815CST			0	0			Hail(0.75)
Ford County									
2 S Wright	17	2020CST			0	0			Hail(0.75)
Hamilton County									
17 N Syracuse	19	1630CST			0	0			Thunderstorm Wind (G52)
Scott County									
Shallow Water	19	1900CST			0	0			Thunderstorm Wind (G52)
Finney County									
2 NE Garden City	19	1916CST			0	0			Thunderstorm Wind (G51) ^M
Kearny County									
5 NNW Deerfield	19	1925CST			0	0			Thunderstorm Wind (G61)
Kearny County									
4 S Lakin	19	1930CST			0	0			Thunderstorm Wind (G52)
Hamilton County									
20 S Coolidge	19	2020CST			0	0			Hail(1.75)
Hamilton County									
14 S Syracuse	19	2100CST			0	0			Hail(0.75)
Stanton County									
8 N Johnson	19	2126CST			0	0			Hail(1.75)
Stanton County									
10 N Johnson	19	2130CST			0	0			Hail(1.75)
		Damage was done to farm buildings and windows were broken out.							
Kearny County									
14 WSW Lakin	19	2145CST			0	0			Hail(0.75)
Hamilton County									
9 SSW Kendall	19	2146CST			0	0			Hail(1.75)

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<u>KANSAS, Southwest</u>									
Finney County									
12 N Kalvesta	20	0215CST			0	0			Hail(0.75)
Rush County									
Alexander	20	0747CST			0	0			Hail(1.00)
Rush County									
Alexander	20	0800CST			0	0			Hail(1.25)
Comanche County									
8 S Coldwater	26	1310CST			0	0			Hail(1.00)
Kiowa County									
3 SSW Haviland	26	1310CST			0	0			Thunderstorm Wind (G52)
Stafford County									
4 S St John	26	1310CST			0	0			Hail(0.75)
Stafford County									
4 S St John	26	1310CST			0	0			Thunderstorm Wind (G52)
Comanche County									
8 S Coldwater	26	1312CST			0	0			Hail(1.00)
Stafford County									
Stafford	26	1320CST			0	0			Thunderstorm Wind (G53) ^M
Stafford County									
2 W Stafford	26	1340CST			0	0			Hail(0.75)
Comanche County									
13 SE Coldwater	26	1344CST			0	0			Hail(0.75)
Pratt County									
2 NE Iuka	26	1349CST			0	0			Hail(0.88)
Barber County									
18 W Medicine Lodge	26	1418CST			0	0			Hail(1.00)
<u>KENTUCKY, Central</u>									
Oldham County									
La Grange	02	1500EST			0	0			Hail(0.75)
Madison County									
2 E Duluth	02	1615EST 2030EST			0	0			Flash Flood
									People were trapped in their homes by high water.
Oldham County									
Countywide	02	1630EST 1730EST			0	0			Flash Flood
									Up to a foot of water covered roads around Brownsboro. Water covered roads in other parts of western Oldham County.
Oldham County									
Crestwood	02	1630EST			0	0			Hail(1.75)
Oldham County									
Pewee Vly	02	1640EST			0	0			Hail(0.75)
Shelby County									
Shelbyville	02	1710EST			0	0			Thunderstorm Wind (G50)
									Trees were downed along Taylorsville Road.
Madison County									
Kirksville	02	1725EST			0	0			Hail(1.00)

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>KENTUCKY, Central</u>									
Madison County									
Berea	02	1745EST			0	0			Hail(0.75)
Jessamine County									
1 E Nicholasville	02	1800EST			0	0			Thunderstorm Wind (G50) Five trees blocked Highway 39.
Garrard County									
Lancaster	02	1826EST			0	0			Thunderstorm Wind (G50) Trees and power lines were downed.
Garrard County									
Bryantsville	02	1850EST			0	0	15K		Thunderstorm Wind (G65) A four foot diameter tree was blown on to a house, damaging the living room. Two other trees were blown over at the same location.
KYZ057									
			Madison						
	02	2030EST			0	0			Flood
	03	0030EST							Heavy rains on the evening of June 2 produced flooding over much of the southern part of Madison County.
Oldham County									
6 N La Grange	04	1441EST			0	0			Thunderstorm Wind (G50)
Henry County									
Countywide	04	1445EST			0	0			Thunderstorm Wind (G50) Power lines were blown down at Campbellsburg, Sligo, and New Castle.
Jefferson County									
Worthington	04	1450EST			0	0	10K		Thunderstorm Wind (G65) There was some chimney and siding damage to a house.
Oldham County									
Countywide	04	1545EST			0	0			Thunderstorm Wind (G50) Trees were downed over the eastern part of the county.
Hart County									
Cub Run	04	1610EST			0	0			Thunderstorm Wind (G50)
Larue County									
4 NE Upton	04	1632EST			0	0			Thunderstorm Wind (G50)
Casey County									
Liberty	04	2300EST			0	0			Flash Flood
	05	0020EST							Some city streets were flooded. A four lane bypass around the city was closed down to one lane in places by high water.
Trimble County									
7 NW Bedford	05	1545EST			0	0			Thunderstorm Wind (G52) ^M
Breckinridge County									
Union Star	05	1610EST			0	0			Thunderstorm Wind (G50)
Ohio County									
3 S Prentiss	05	1625EST			0	0			Thunderstorm Wind (G50)
Butler County									
Logansport	05	1633EST			0	0			Thunderstorm Wind (G50)
Grayson County									
Clarkson	05	1716EST			0	0			Thunderstorm Wind (G50)
Hardin County									
Sonora	05	1730EST			0	0			Thunderstorm Wind (G50) Trees, power lines, and large limbs were blown down over parts of western and north central Kentucky.
Henry County									
New Castle	06	0755EST			0	0			Flash Flood
		0845EST							Flood waters closed Highway 146 near New Castle.

Storm Data and Unusual Weather Phenomena

June 2002

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

Oldham County

Countywide	06	0755EST 0845EST			0	0			Flash Flood
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Ash Avenue in Pewee Valley was closed by high water. Numerous other locations had water over the roadway. A woman and her two children were rescued from a car trapped by flood waters.

Jefferson County

East Portion	06	0858EST 0930EST			0	0			Flash Flood
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Hite Creek was out of banks and blocking parts of Hurstbourne Lane. Numerous other roads were covered with water.

Oldham County

Goshen	25	1625EST			0	0	1K		Thunderstorm Wind (G50)
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Several trees were blown down. There was also minor unspecified property damage reported.

Bourbon County

Centerville	25	1940EST 2300EST			0	0			Flash Flood
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Water covered Highway 460 near the Scott County line.

Harrison County

Connorsville	25	1944EST 2300EST			0	0			Flash Flood
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Water covered Highway 32 near Connorsville.

Scott County

Countywide	25	2130EST 2300EST			0	0			Flash Flood
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A few side roads were impassable due to high water.

KENTUCKY, Eastern

Martin County

Laura	01	1440EST			0	0	0	0	Hail(0.88)
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Pike County

1 W Meta	01	1545EST			0	0	0	0	Hail(1.00)
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Pike County

Meta	01	1708EST			0	0	0	0	Hail(0.88)
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Floyd County

Martin	01	1737EST			0	0	0	0	Hail(0.88)
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Pike County

Phelps	01	1828EST 2028EST			0	0	0	0	Flash Flood
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Three feet of water covered Boardtree Road.

Estill County

Irvine	02	1240EST			0	0	0	0	Hail(1.50)
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Estill County

1 W Irvine	02	1245EST			0	0	0	0	Hail(1.25)
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Estill County

Irvine	02	1253EST			0	0	0	0	Hail(0.75)
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Estill County

Irvine	02	1255EST			0	0	0	0	Thunderstorm Wind
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Several trees were reported down throughout Irvine.

Estill County

Irvine	02	1255EST			0	0	0	0	Hail(1.00)
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Estill County

Irvine	02	1255EST 1555EST			0	0	0	0	Flash Flood
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Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>KENTUCKY, Eastern</u>									
Two feet of flowing water was over several roadways.									
Breathitt County									
Juan	02	1313EST			0	0	0	0	Hail(0.75)
Breathitt County									
11 W Jackson	02	1345EST			0	0	0	0	Thunderstorm Wind
Trees were down on Holland Road near Kentucky Highway 30.									
Jackson County									
Turkey Foot	02	1420EST			0	0	0	0	Hail(0.88)
Nickel sized hail lasted for five minutes.									
Estill County									
Irvine	02	1441EST 1730EST			0	1	0	0	Flash Flood
One person was rescued from fast flowing, high water along Wagersville Road.									
Estill County									
Irvine	02	1530EST			0	0	0	0	Hail(1.00)
Estill County									
Crystal	02	1545EST 1900EST			0	0	0	0	Flash Flood
High water was flowing over Kentucky Highway 52 and forced its closure in eastern Estill County, near the Lee County line.									
Lee County									
2 NNW Old Lndg	02	1545EST 1900EST			0	0	0	0	Flash Flood
High water flowed over Kentucky Highway 52 and forced its closure in western Lee County, near the Estill County line.									
Laurel County									
3 S London	02	1600EST			0	0	0	0	Thunderstorm Wind
One tree was down near the intersection of Kentucky Highway 1189 and Kentucky Highway 229 in the Fariston community.									
Jackson County									
1 S Sandgap	02	1605EST			0	0	0	0	Hail(1.75)
Laurel County									
5 W London	02	1608EST			0	0	0	0	Thunderstorm Wind
One tree was down near the intersection of Kentucky Highway 80 and White Oak Road near the Bernstadt community.									
Jackson County									
Countywide	02	1615EST			0	0	0	0	Thunderstorm Wind
Numerous trees were down countywide, including: Kentucky Highway 89 North at Foxtown, Davidson Lane, Mooril-Kerby Knob Road, and in the community of McKee.									
Johnson County									
Paintsville	02	1615EST			0	0	0	0	Thunderstorm Wind
Two trees were down along Kentucky Highway 825.									
Jackson County									
5 WNW Sandgap	02	1630EST			0	0	0	0	Hail(0.88)
Magoffin County									
7 NE Salyersville	02	1630EST			0	0	0	0	Hail(0.75)
Clay County									
Manchester	02	1722EST			0	0	0	0	Hail(0.75)
Clay County									
Manchester	02	1727EST			0	0	0	0	Hail(1.00)
Jackson County									
Sandgap	02	1810EST 2000EST			0	0	0	0	Flash Flood
United States Route 421 was closed between Sandgap and Morrill due to high and flowing water.									

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>KENTUCKY, Eastern</u>									
Estill County									
5 SW Irvine	02 03	1815EST 0300EST			0	0	0	0	Flood
Red Lick Creek flowed over Red Lick Road, with three feet of water flowing over it. Initially a flash flood situation, this event became a flood event since high, flowing water occurred for greater than six hours.									
Rockcastle County									
5 E Mt Vernon	02	1902EST			0	0	0	0	Thunderstorm Wind
Four trees were down on Kentucky Highway 1004 near Maplegrove.									
Rockcastle County									
3 E Mt Vernon	02	1910EST			0	0	0	0	Thunderstorm Wind
Three trees were down in the Orlando community.									
Wayne County									
3 NE Monticello	02	1910EST			0	0	0	0	Thunderstorm Wind
Several trees were down along Spann Hill Road near the Spann community.									
Rockcastle County									
5 SE Mt Vernon	02	1915EST			0	0	0	0	Thunderstorm Wind
One tree was down.									
Rockcastle County									
7 SW Mt Vernon	02	1920EST			0	0	0	0	Thunderstorm Wind
One tree was down in the Willailla community near Kentucky Highway 70 and John Mason Brown Road.									
Laurel County									
1 N North Corbin	04	1725EST			0	0	0	0	Hail(1.00)
Laurel County									
1 N North Corbin	04	1725EST			0	0	0	0	Thunderstorm Wind
Trees were down along United States Route 25.									
Laurel County									
Hopewell	04	1745EST			0	0	0	0	Hail(0.88)
Clay County									
3 WNW Manchester	04	1755EST			0	0	5K	0	Thunderstorm Wind
A downburst caused significant roof damage to one home. One 55 gallon barrel full of dirt was blown into the side of the home.									
Laurel County									
Hopewell	04	1800EST			0	0	0	0	Thunderstorm Wind
Trees were down.									
Whitley County									
7 S Williamsburg	04	1810EST			0	0	0	0	Thunderstorm Wind
Several trees were down along United States Route 25 South.									
Clay County									
3 W Manchester	04	1815EST			0	0	0	0	Hail(0.75)
Laurel County									
2 NW North Corbin	04	1815EST			0	0	0	0	Hail(0.75)
Three quarter inch hail was reported at exit 29 on Interstate 75.									
Knox County									
Gray	04	1843EST			0	0	0	0	Hail(0.75)
Perry County									
2 W Hazard	25	0000EST			0	0	0	0	Thunderstorm Wind
Trees and power lines were down along Browns Fork Road.									
Perry County									
Vicco	25	0000EST			0	0	0	0	Thunderstorm Wind
Trees and power lines were down.									
Breathitt County									
Juan	25	1505EST			0	0	0	0	Hail(0.75)

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>KENTUCKY, Eastern</u>									
Breathitt County									
Keck	25	1515EST			0	0	0	0	Thunderstorm Wind
Two trees were down on Kentucky Highway 540.									
Breathitt County									
Juan	25	1522EST 1730EST			0	0	0	0	Urban/Sml Stream Fld
Water was across Kentucky Highway 30.									
Letcher County									
Mayking	25	1710EST			0	0	0	0	Thunderstorm Wind
Trees were down and power outages were reported.									
Letcher County									
Seco	25	1710EST			0	0	0	0	Thunderstorm Wind
Trees were down and power outages were reported.									
Leslie County									
16 S Hyden	25	2130EST			0	0	0	0	Hail(0.88)
<u>KENTUCKY, Northeast</u>									
Boyd County									
Ashland	01	1908EST			0	0			Hail(1.00)
Greenup County									
Lloyd	05	1945EST			0	0			Hail(0.75)
<u>KENTUCKY, Northern</u>									
KYZ091>093 Boone - Kenton - Campbell									
	06	0705EST 0820EST			0	0			Flood
Thunderstorms producing two to three inches of rain moved across the Cincinnati metro area during the morning hours, causing high water on area roadways.									
KYZ089-094-094>095 Carroll - Owen - Grant									
	25	1545EST 1915EST			0	0			Flood
Slow moving thunderstorms produced very heavy rainfall across northern Kentucky during the late afternoon and early evening, causing several road closures due to high water.									
Carroll County									
4 S Ghent	25	1600EST 1700EST			0	0			Flash Flood
Several creeks and streams went out of their banks across the southern part of the county. High water was reported on a couple of roads.									
Owen County									
3 SE Owenton	25	1700EST 1702EST			0	0	15K		Thunderstorm Wind (G50)
Trees were knocked down and a roof was blown off a barn on Slippery Rock Road.									
<u>KENTUCKY, Southwest</u>									
Mccracken County									
Paducah	05	1145CST			0	0	5K		Thunderstorm Wind (G50)
Large tree limbs were blown down in a residential neighborhood on the west side of town. The damage area was about one square mile.									

Storm Data and Unusual Weather Phenomena

June 2002

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

Graves County

Countywide	05	1300CST			0	0			Thunderstorm Wind (G50)
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Sixteen trees were down across state and county roads.

Webster County

Poole	05	1400CST			0	0	10K		Thunderstorm Wind (G55)
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The steeple was blown off a church, damaging the church's roof and the sidewalk below.

Webster County

Poole	05	1400CST			0	0			Hail(0.75)
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Caldwell County

Countywide	05	1414CST 1424CST			0	0	5K		Thunderstorm Wind (G50)
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Several trees were blown down, some across roads.

Hopkins County

Madisonville to 2 E Nortonville	05	1440CST			0	0			Thunderstorm Wind (G50)
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A couple of trees were down on a road in Madisonville. A couple other trees were down between Nortonville and White Plains.

LAKE ERIE

LEZ144

The Islands To Vermilion Oh

The Islands to Vermilion	12	2000EST 2100EST			0	0			Marine Tstm Wind (G35)
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LEZ145

Vermilion To Avon Point Oh

Vermilion to Avon Point	12	2000EST 2100EST			0	0			Marine Tstm Wind (G35)
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Thunderstorms over Lake Erie produced wind gusts in excess of 35 knots.

LEZ146

Avon Point To Willowick Oh

Avon Point to Willowick	14	1615EST 1745EST			0	0			Marine Tstm Wind (G35)
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LEZ149

Conneaut Oh To Ripley Ny

Ripley Ny	14	1615EST 1745EST			0	0			Marine Tstm Wind (G35)
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LEZ148

Geneva On The Lake Oh To Conneaut Oh

Geneva-On-The-Lake to Conneaut	14	1615EST 1745EST			0	0			Marine Tstm Wind (G35)
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LEZ166

Le Avon Pt To Willowick Oh Byd 5Nm Offshore To Intl Border

Avon Point to Willowick	14	1615EST 1745EST			0	0			Marine Tstm Wind (G35)
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LEZ169

Le Conneaut Oh To Ripley Ny Byd 5Nm Offshore To Intl Border

Conneaut to Ripley Ny	14	1615EST 1745EST			0	0			Marine Tstm Wind (G35)
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LEZ168

Le Geneva On The Lake To Conneaut Oh Byd 5Nm Offshore To Intl Border

Geneva-On-The-Lake to Conneaut	14	1615EST 1745EST			0	0			Marine Tstm Wind (G35)
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LEZ164

Le The Islands To Vermilion Oh Byd 5Nm Offshore To Intl Border

The Islands to Vermilion	14	1615EST 1745EST			0	0			Marine Tstm Wind (G35)
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LEZ165

Le Vermilion To Avon Pt Oh Byd 5Nm Offshore To Intl Border

Vermilion to Avon Point	14	1615EST 1745EST			0	0			Marine Tstm Wind (G35)
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LEZ167

Le Willowick To Geneva On The Lake Oh Byd 5Nm Offshore To Intl Border

Willowick to Geneva-On-The-Lake	14	1615EST 1745EST			0	0			Marine Tstm Wind (G35)
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Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
LAKE ERIE									
LEZ144			The Islands To Vermilion Oh						
The Islands to Vermilion	14	1615EST 1745EST			0	0			Marine Tstm Wind (G35)
LEZ145			Vermilion To Avon Point Oh						
Vermilion to Avon Point	14	1615EST 1745EST			0	0			Marine Tstm Wind (G35)
LEZ147			Willowick To Geneva On The Lake Oh						
Willowick to Geneva-On-The-Lake	14	1615EST 1745EST			0	0			Marine Tstm Wind (G35)
			Thunderstorms over Lake Erie produced winds in excess of 35 knots.						
LEZ146			Avon Point To Willowick Oh						
Avon Point to Willowick	15	1920EST 2000EST			0	0			Marine Tstm Wind (G35)
LEZ166			Le Avon Pt To Willowick Oh Byd 5Nm Offshore To Intl Border						
Avon Point to Willowick	15	1920EST 2000EST			0	0			Marine Tstm Wind (G35)
LEZ147			Willowick To Geneva On The Lake Oh						
Willowick to Geneva-On-The-Lake	15	1920EST 2000EST			0	0			Marine Tstm Wind (G35)
			Thunderstorms over Lake Erie produced winds in excess of 35 knots.						
LEZ163			Le Reno Beach To The Islands Oh Byd 5Nm Offshore To Intl Border						
Reno Beach to The Islands	17	1615EST 1800EST			0	0			Marine Tstm Wind (G35)
LEZ164			Le The Islands To Vermilion Oh Byd 5Nm Offshore To Intl Border						
The Islands to Vermilion	17	1615EST 1800EST			0	0			Marine Tstm Wind (G35)
LEZ165			Le Vermilion To Avon Pt Oh Byd 5Nm Offshore To Intl Border						
Vermilion to Avon Point	17	1615EST 1800EST			0	0			Marine Tstm Wind (G35)
LEZ143			Reno Beach To The Islands Oh						
Reno Beach to The Islands	17	1615EST 1800EST			0	0			Marine Tstm Wind (G35)
LEZ144			The Islands To Vermilion Oh						
The Islands to Vermilion	17	1615EST 1800EST			0	0			Marine Tstm Wind (G35)
LEZ145			Vermilion To Avon Point Oh						
Vermilion to Avon Point	17	1615EST 1800EST			0	0			Marine Tstm Wind (G35)
			Thunderstorms over Lake Erie produced winds in excess of 35 knots.						
LEZ146			Avon Point To Willowick Oh						
Avon Point to Willowick	17	2100EST 2230EST			0	0			Marine Tstm Wind (G39)
LEZ149			Conneaut Oh To Ripley Ny						
Ripley Ny	17	2100EST 2230EST			0	0			Marine Tstm Wind (G35)
LEZ148			Geneva On The Lake Oh To Conneaut Oh						
Geneva-On-The-Lake to Conneaut	17	2100EST 2230EST			0	0			Marine Tstm Wind (G35)
LEZ166			Le Avon Pt To Willowick Oh Byd 5Nm Offshore To Intl Border						
Avon Point to Willowick	17	2100EST 2230EST			0	0			Marine Tstm Wind (G35)
LEZ169			Le Conneaut Oh To Ripley Ny Byd 5Nm Offshore To Intl Border						
Conneaut to Ripley Ny	17	2100EST 2230EST			0	0			Marine Tstm Wind (G35)

Storm Data and Unusual Weather Phenomena

June 2002

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

LEZ168 Geneva-On-The-Lake to Conneaut	17	2100EST 2230EST	Le Geneva On The Lake To Conneaut Oh Byd 5Nm Offshore To Intl Border		0	0			Marine Tstm Wind (G35)
LEZ165 Vermilion to Avon Point	17	2100EST 2230EST	Le Vermilion To Avon Pt Oh Byd 5Nm Offshore To Intl Border		0	0			Marine Tstm Wind (G35)
LEZ167 Willowick to Geneva-On-The-Lake	17	2100EST 2230EST	Le Willowick To Geneva On The Lake Oh Byd 5Nm Offshore To Intl Border		0	0			Marine Tstm Wind (G35)
LEZ145 Vermilion to Avon Point	17	2100EST 2230EST	Vermilion To Avon Point Oh		0	0			Marine Tstm Wind (G35)
LEZ147 Willowick to Geneva-On-The-Lake	17	2100EST 2230EST	Willowick To Geneva On The Lake Oh		0	0			Marine Tstm Wind (G35)
			Thunderstorms over Lake Erie produced winds in excess of 35 knots. A 39 knot wind gust was measured at the Cleveland lighthouse.						
LEZ162 Maumee Bay to Reno Beach	21	1315EST 1430EST	Le Detroit R Lt To Reno Beach Oh Byd 5Nm Offshore To Intl Border		0	0			Marine Tstm Wind (G35)
LEZ163 Reno Beach to The Islands	21	1315EST 1430EST	Le Reno Beach To The Islands Oh Byd 5Nm Offshore To Intl Border		0	0			Marine Tstm Wind (G35)
LEZ142 Maumee Bay to Reno Beach	21	1315EST 1430EST	Maumee Bay To Reno Beach Oh		0	0			Marine Tstm Wind (G35)
LEZ143 Reno Beach to The Islands	21	1315EST 1430EST	Reno Beach To The Islands Oh		0	0			Marine Tstm Wind (G37)
			Thunderstorms over the western basin of Lake Erie produced winds in excess of 35 knots. A 37 knot thunderstorm wind gust was measured at South Bass Island.						
LEZ444 2 W Monroe Harbor	21	1321EST	Mi Waters Of Lake Erie		0	0			Marine Tstm Wind (G35)
LEZ149 Ripley Ny	21	1815EST 1915EST	Conneaut Oh To Ripley Ny		0	0			Marine Tstm Wind (G35)
LEZ169 Conneaut to Ripley Ny	21	1815EST 1915EST	Le Conneaut Oh To Ripley Ny Byd 5Nm Offshore To Intl Border		0	0			Marine Tstm Wind (G35)
			Thunderstorms over Lake Erie produced winds in excess of 35 knots.						

LAKE HURON

LHZ422 Saginaw River Mouth	21	1130EST	Inner Saginaw Bay & Sw Of Pt Au Gres To Bay Port Mi		0	0			Marine Tstm Wind (G38)
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LAKE MICHIGAN

LMZ646 Wind Point to Kenosha	03	0710CST 0955CST	Wind Pt Lt Wi To Winthrop Hbr Il		0	0			Marine Tstm Wind (G50)
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A line of severe thunderstorms moved east of Racine and Kenosha counties. Powerful northwest winds gusting to 58 knots (67 mph) were noted at the Racine Wastewater Treatment Plant on the Lake Michigan shoreline as the storms initially moved out over the lake, and 50 kt (58 mph) peak gusts out of the southeast were registered at the GLERL site in Kenosha, on the back side of the storms. At this coastal site, sustained winds were 35 kts (40 mph) or higher between 0855 and 0955CST. The southeast backside winds were due to a wake-low which developed over southeast Wisconsin.

Storm Data and Unusual Weather Phenomena

June 2002

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

LMZ741 Harrison-Dever Crib	Wilmette Hbr To Meigs Field II	03	2000CST		0	0			Marine Tstm Wind (G51)
LMZ741 Harrison-Dever Crib	Wilmette Hbr To Meigs Field II	10	1515CST		0	0			Marine Tstm Wind (G44)
LMZ741 Harrison-Dever Crib	Wilmette Hbr To Meigs Field II	10	1800CST		0	0			Marine Tstm Wind (G50)
LMZ645 North Point Lthouse to Wind Point	North Pt Lt To Wind Pt Wi	10	1950CST		0	0			Marine Tstm Wind (G41)

Severe thunderstorms over southeast Wisconsin moved out over the nearshore waters of Lake Michigan east of Milwaukee and Racine counties.

LMZ643 3.5 NE Port Washington 3.3 NE Port Washington	Sheboygan To Pt Washington Wi	14	1130CST 1133CST		0	0			Waterspout
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A short-lived waterspout spun up about 1/2 mile out over the nearshore waters of Lake Michigan northeast of Port Washington (Ozaukee Co.). It was observed by a trained spotter who was traveling south along Interstate 43. Scattered thunderstorms developed and moved southeast along a surface trough/shear line that extended northwest to southeast from Lake Winnebago through Ozaukee County to east of Milwaukee. Apparently, a vortex on the shear line was stretched vertically by the updraft tower of a thunderstorm. The width of the waterspout at the water surface was about 10 to 15 yards. No damage was noted.

LMZ745 Michigan City	Burn Hbr To Michigan City In	15	1400CST		0	0			Marine Tstm Wind (G38)
LMZ741 Harrison-Dever Crib	Wilmette Hbr To Meigs Field II	15	1400CST		0	0			Marine Tstm Wind (G37)
LMZ645 Milwaukee Harbor to Wind Point	North Pt Lt To Wind Pt Wi	15	1623CST 1632CST		0	0			Marine Hail (0.88)
LMZ646 Racine to Winthrop Harbor II	Wind Pt Lt Wi To Winthrop Hbr II	15	1627CST		0	0			Marine Hail (0.75)

Severe thunderstorms packing large hail moved east out over the Lake Michigan waters between the Milwaukee Harbor and Winthrop Harbor, IL.

LMZ646 Wind Point to Winthrop Harbor II	Wind Pt Lt Wi To Winthrop Hbr II	15	1707CST		0	0			Marine Hail (0.75)
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Scattered severe thunderstorms with large hail moved east out over the Lake Michigan waters between Wind Point, WI and Winthrop Harbor, IL.

LAKE ONTARIO

LOZ42 Olcott	Niagara R To Thirty Mile Pt Ny	05	0502EST		0	0	5K		Marine Tstm Wind (G37)
LOZ42 Wilson	Niagara R To Thirty Mile Pt Ny	27	1205EST		0	0	25K		Marine Tstm Wind (G55)

LAKE ST CLAIR

LCZ422 City Of St. Clair	St Clair River	17	1345EST		0	0			Marine Hail (0.75)
LCZ423 3 W Grosse Ile	Detroit River	17	1350EST		0	0			Marine Hail (0.75)
LCZ460 12 W Metropolitan Beach	Lake St Clair (U.S. Portion)	17	1850EST		0	0			Marine Tstm Wind (G40)

Storm Data and Unusual Weather Phenomena

June 2002

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

LCZ423	Detroit River								
4 NW Belle Isle	21	1320EST			0	0			Marine Hail (0.88)
LCZ460	Lake St Clair (U.S. Portion)								
4 W Grosse Pointe	21	1320EST			0	0			Marine Hail (0.88)
LCZ460	Lake St Clair (U.S. Portion)								
New Baltimore	26	1630EST			0	0			Marine Tstm Wind (G35)
LCZ422	St Clair River								
8 NW Algonac	26	1630EST			0	0			Marine Tstm Wind (G35)

LOUISIANA, Northeast

RichlandParish									
Delhi	24	1535CST			0	0	30K		Thunderstorm Wind
Trees fell on an apartment complex, resulting in minor damage to a few buildings.									
RichlandParish									
Delhi	24	1540CST			0	0			Hail(0.88)

LOUISIANA, Northwest

UnionParish									
Farmerville Arpt	24	1500CST			0	0	720K		Thunderstorm Wind (G79)
Thunderstorm winds blew in two hanger doors. The wind then entered the hanger and blew out the walls. The roof then collapsed subsequently destroying two Cessna-150 airplanes residing in the hanger.									

LOUISIANA, Southeast

East Baton RougeParish									
Baton Rouge	20	1340CST			0	0	5K		Thunderstorm Wind
Several large tree limbs were blown down and the roof of a trailer was damaged by wind gusts.									
Pointe CoupeeParish									
Fordoche	20	1440CST			0	0			Hail(0.75)
LivingstonParish									
Springfield	26	0930CST			0	0	3K		Thunderstorm Wind
Several trees were blown down.									

LOUISIANA, Southwest

CameronParish									
Hackberry	27	0530CST			1	0			Lightning
A 41 year old man died after being struck by lightning while fishing in Hackberry. M41OU									
IberiaParish									
New Iberia	27	0700CST			0	0	10K		Thunderstorm Wind
Trees and power lines were blown down across New Iberia.									
CalcasieuParish									
Lake Charles	27	0900CST 1200CST			0	0	50K		Flash Flood
Between three and six inches of rain fell across Lake Charles, resulting in flooding in some businesses and homes. Some streets had over a foot of water on them.									

Storm Data and Unusual Weather Phenomena

June 2002

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

NONE REPORTED.

MAINE, South

York County

Berwick	06	2255EST			0	0	9K		Lightning
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Lightning struck a home in Berwick just before midnight causing an estimated \$9000 in damage.

Oxford County

Hartford	23	1720EST			0	0			Hail(0.75)
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A severe thunderstorm produced dime-sized hail in the town of Hartford.

Oxford County

Mexico	23	1945EST			0	0			Thunderstorm Wind (G50)
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Oxford County

Gilead	23	2030EST			0	0			Thunderstorm Wind (G50)
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York County

Limerick	24	0030EST			0	0	110K		Lightning
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Severe thunderstorms moving through western Maine knocked over trees in Mexico and Gilead in Oxford County on the evening of the 23rd. Later that night, lightning struck a former chicken barn in Limerick igniting a fire that destroyed the barn and equipment inside. Damage was estimated to be \$110,000.

Somerset County

Hartland to Pittsfield	26	1855EST			0	0			Thunderstorm Wind (G50)
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Severe thunderstorms knocked over trees which downed power lines in the towns of Hartland, Palmyra, and Pittsfield.

Oxford County

Bethel to Hartford	27	1945EST 1955EST			0	0			Thunderstorm Wind (G70)
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A severe thunderstorm knocked over trees which downed power lines in the towns of Bethel, Bryant Pond, West Paris, Sumner, and Hartford. Particularly hard hit was the village of Woodstock where winds uprooted or snapped numerous trees causing damage throughout the village. About 15 tombstones in the local cemetery were blown over or snapped by the storm.

MARYLAND, Central

Washington County

Williamsport	05	1605EST			0	0	5K		Thunderstorm Wind
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Trees and power lines were downed.

Washington County

Hagerstown	05	1614EST 1619EST			0	0			Hail(1.50)
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Dime to walnut sized hail fell.

Washington County

Hagerstown	05	1615EST			0	0	15K		Thunderstorm Wind (G57) ^M
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Winds up to 65 MPH pushed trees and power lines onto cars and roads and blew down a cement wall.

Washington County

Leitersburg	05	1625EST			0	0	50K		Thunderstorm Wind
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Two homes sustained roof damage.

Prince George'S County

Countywide	05	1930EST 1945EST			0	3	20K		Thunderstorm Wind
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Nearly 500 homes were damaged by fallen trees in Clinton, Upper Marlboro, and Brandywine.

Prince George'S County

Andrews Afb	05	1937EST			0	0			Thunderstorm Wind (G54) ^M
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A 62 MPH wind gust was recorded.

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>MARYLAND, Central</u>									
Prince George'S County									
Clinton	05	1937EST			0	0			Hail(1.00) Dime sized hail fell.
Anne Arundel County									
South Portion	05	1945EST			0	0	20K		Thunderstorm Wind Several trees and power lines were downed.
Anne Arundel County									
Annapolis	05	2022EST			0	0			Lightning The Maryland State House dome was struck by lightning. Scattered thunderstorms with high winds and frequent lightning moved through north central Maryland, and the Baltimore and Washington D.C. metro areas during the afternoon and evening of the 5th. In Prince Georges County, 500 homes were damaged by fallen trees. Over 11,000 county customers lost power as a direct result of the storm. Three houses sustained serious damage and another dozen were moderately damaged. The most severely damaged house was in Clinton where a tree smashed through a brick wall and slightly injured a mother and her two children inside. Also in Clinton, downed power lines and quarter sized hail were reported. Other wind damage was reported between Brandywine and Upper Marlboro. Several trees were downed along Route 5 in Brandywine, temporarily blocking the entrance to Southern Maryland Hospital. A wind gust of 62 MPH was recorded at Andrews Air Force Base. A spotter in the southern portion of the county recorded a wind gust of 51 MPH. In Anne Arundel County, the dome of the Maryland State House in Annapolis was struck by lightning. In Bay Ridge, a tree was downed onto the roof of a house, causing \$10,000 damage. A 200 year old, 5 foot wide tree was also downed in Edgewater. Across the southern portion of Anne Arundel County, officials reported several downed trees and power lines. On the Chesapeake Bay at Thomas Point Lighthouse, the weather sensor recorded a wind gust of 60 mph. In Baltimore County, pea sized hail fell in Dunkirk. In Harford County, pea sized hail fell in Edgewood and a wind gust of 53 MPH was recorded at Aberdeen Proving Grounds. In Washington County at Hagerstown, dime to hen egg sized hail fell for 10 minutes and accumulated to a depth of about one half inch. Winds gusting up to 65 mph caused a free standing cement wall to collapse onto power lines and a car on E. Franklin St. Several cars and structures were also damaged by fallen trees. In Williamsport and Ringgold, trees and power lines were downed. In Leitersburg, one roof, two out buildings, and a barn sustained roof damage. Six broken power poles lined Jefferson Boulevard. A wind gust of 42 MPH was recorded in Smithsburg.
Anne Arundel County									
2 S Crownsville	06	1415EST			0	0			Hail(1.00) Quarter sized hail fell in Chesterfield.
Howard County									
Countywide	06	1425EST			0	0	1K		Thunderstorm Wind A few trees were downed.
Howard County									
Savage	06	1425EST			0	0			Hail(1.00) Dime to quarter sized hail fell.
Anne Arundel County									
North Portion	06	1445EST 1500EST			0	0	10K		Thunderstorm Wind Trees and power lines were downed in Arnold, Pasadena, and Glen Burnie.
Anne Arundel County									
Baltimore Washington	06	1446EST 1453EST			0	0			Hail(0.75) Dime sized hail fell.
Anne Arundel County									
Pasadena	06	1450EST			0	0			Hail(1.75) Golf ball sized hail was reported.
Charles County									
Countywide	06	1500EST			0	0	5K		Thunderstorm Wind Trees and power lines were downed.
Prince George'S County									
Countywide	06	1500EST 1525EST			0	0	100K		Thunderstorm Wind A dozen families were displaced after felled trees damaged homes in Cottage City. Damage was also reported in Clinton and Bladensburg.

Storm Data and Unusual Weather Phenomena

June 2002

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

St. Mary'S County

Mechanicsville	06	1500EST			0	0	2K		Thunderstorm Wind
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Trees were downed and a fence was ripped from the ground in the Indian River Estates neighborhood.

Prince George'S County

Brandywine	06	1507EST			0	0			Hail(1.75)
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Golfball sized hail fell.

Prince George'S County

Laurel	06	1522EST			0	0			Hail(1.00)
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Quarter sized hail was reported.

Calvert County

North Portion	06	1535EST			0	0	5K		Thunderstorm Wind
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Trees were downed.

Frederick County

1 NE Frederick to 3 NE Frederick	06	1605EST 1613EST	2	50	0	0	15K		Tornado (F0)
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A weak tornado toppled a trailer, downed trees, and caused minor roof damage.

Montgomery County

Countywide	06	1645EST			0	0	1K		Thunderstorm Wind
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Trees were downed.

Montgomery County

Redland	06	1645EST 1651EST			0	0			Funnel Cloud
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A funnel cloud was spotted near the intersection of Shady Grove Road and Mill Run Drive.

Scattered thunderstorms moved through North Central and Southern Maryland in addition to the Washington D.C. and Baltimore metropolitan areas during the afternoon of the 6th. In Frederick County, an F0 tornado touched down at 5:05 PM EDT just north of Hayward Road near Frederick (1/4 mile west of Route 15). The tornado caused intermittent minor damage to structures and downed several trees as it pushed east before lifting near the Monocacy River. It had a path length of 2 miles and a width of 50 yards. The twister toppled an unanchored construction trailer in Governors Choice Industrial Park. A home in the Dearbought Park subdivision lost a chimney. At least 20 trees were downed in the Broadview Acres area, including one which landed on a car. In Montgomery County, a funnel cloud was spotted near the intersection of Shady Grove Road and Mill Run Drive. Minor tree damage was reported in the vicinity. Pea to marble sized hail was reported in Burtonsville, Glenmont, Silver Spring, and Forest Glen. A wind gust of 51 MPH was recorded in Shady Grove and a gust of 54 MPH was recorded in Gaithersburg.

In Carroll County, a wind gust of 46 MPH was measured in Millers. A gust of 50 MPH was estimated in Westminster. In Baltimore County, 2.15 inches of rain fell at Cylburn Arboretum in Baltimore. A wind gust of 56 MPH was recorded around 1 PM in Parkton. In Anne Arundel County, the strongest part of the thunderstorm tracked between Fort Meade and Riviera Beach. Dime sized hail fell at BWI Airport. Quarter sized hail was reported in Chesterfield. Pea to golfball sized hail was reported in Pasadena where a total of 2.56 inches of rain fell. Trees and power lines were downed in Pasadena, Glen Burnie, and Arnold. Four homes were damaged by downed trees and nine homes were struck by lightning across the northern portion of the county. A 330-year-old tree in Lothian was also heavily damaged. At the height of the storm, 13,200 customers were without power. In Howard County, dime to quarter sized hail was reported in the Laurel and Savage areas. A few trees were also downed countywide.

In Prince Georges County, golf ball sized hail fell in Brandywine. Quarter sized hail was reported in Laurel and pea sized hail fell in Accokeek. For a second straight day, trees fell onto homes in the county. About a dozen families in Cottage City were displaced after 11 homes were condemned due to structure damage. A home in Clinton burned to the ground after a fallen tree started the house on fire. Minor damage was also reported in Bladensburg. Heavy rains caused ponding of water on roads in the southern portion of the county. In Charles County, marble sized hail fell in Bryans Road. Trees and power lines were downed countywide. Several homes were also struck by lightning. In Calvert County, wind damage was reported from fallen trees. A large branch was downed in Derwood. Pea sized hail fell in Dunkirk and hail of unknown size fell at Solomon's Island. In St. Mary's County, trees were downed and a fence was ripped from the ground in the Indian River Estates neighborhood of Mechanicsville.

Charles County

2 W La Plata	13	1315EST			0	0	3K		Thunderstorm Wind
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Trees and power lines were downed.

A thunderstorm with heavy winds moved through Southern Maryland during the afternoon of the 13th. Two miles west of La Plata in Charles County, trees and power lines were downed.

Charles County

3 W White Plains	16	1608EST			0	1	0.10K		Thunderstorm Wind
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Storm Data and Unusual Weather Phenomena

June 2002

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

A tree limb fell onto a person at a golf course.

Calvert County Countywide

16	1645EST				0	0	3K		Thunderstorm Wind
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Wires were downed by high winds just west of Kings Beach.

Scattered thunderstorms moved through Southern Maryland during the evening of the 16th. In Charles County 3 miles west of White Plains, one person was injured on a golf course when a tree limb fell on them. In Calvert County 2 miles west of Kings Beach, power line wires were downed.

St. Mary'S County Mechanicsville

19	1315EST 1415EST				0	0			Flash Flood
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Mechanicsville Road was flooded.

A thunderstorm that contained heavy downpours moved over St. Mary's County during the early afternoon of the 19th. As a result of the heavy rain, Mechanicsville Road was flooded.

MDZ004>007-009>011-013>014

Frederick - Carroll - Northern Baltimore - Harford - Montgomery - Howard - Southern Baltimore - Prince Georges - Anne Arundel

25 26	1000EST 2000EST				6	0			Excessive Heat
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Very warm and moist air was ushered into the region by south winds during the last week of June. On the 25th and 26th, temperatures in the mid 90s combined with dew points near 70 to create heat index values between 100 and 110 degrees. A handful of people who were in non-air-conditioned environments, especially in downtown Baltimore, died from complications of prolonged exposure to the heat. Temperatures remained in the lower 90s through the end of the month which also led to additional heat-related deaths and illnesses.

In Montgomery County, a 33 year-old woman with multiple sclerosis died in her Aspen Hill home on Tuesday the 25th. She was found on Wednesday the 26th and the temperature measured in the house was more than 90 degrees due the lack of air conditioning. In Baltimore County, a 37 year-old man died on the 27th after being exposed to excessive heat. In the city of Baltimore, a 52 year-old man and an 82 year-old man were found dead in their homes on the 27th. On the 30th, a 67 year-old woman was found dead in her home. In the Carroll County community of Westminster, a 69-year old male was out walking on the 29th and was overcome by heat. He was found not breathing near a shopping center along Route 140 and died a short time later at an area hospital. Each person had underlying health conditions that contributed to their deaths. In Anne Arundel County, two people were treated at area hospitals for dehydration and heat exhaustion on the 26th. F33PH, M69OU, M37OU, M82PH, M52PH, F67PH

Washington County Hagerstown

27	1622EST				0	0	3K		Thunderstorm Wind (G52)
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Trees and power lines were downed by winds estimated around 60 MPH.

Washington County 2 NE Smithsburg

27	1630EST				0	0			Hail(0.75)
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Dime sized hail was reported.

Washington County 2 NE Smithsburg

27	1630EST				0	0	9K		Thunderstorm Wind (G71)^M
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Winds gusting to at least 81 MPH caused structural damage and downed several trees.

Prince George'S County Countywide

27	1750EST				0	0	10K		Thunderstorm Wind
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Trees were downed in Greenbelt, Seat Pleasant, and Landover.

St. Mary'S County Golden Beach

27	1821EST				0	0	2K		Thunderstorm Wind
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Trees were downed.

Calvert County Sunderland

27	1824EST				0	0	2K		Thunderstorm Wind
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Trees were downed.

Scattered thunderstorms with high winds and hail moved through Southern Maryland, the Baltimore metro area, and Northern Central Maryland on the evening of the 27th. In Washington County, large trees and power lines were downed in Hagerstown by winds estimated around 60 MPH. Four homes and 8 cars were damaged by the fallen trees. Two miles northeast of Smithsburg, a wind sensor measured a downburst wind gust of 81 mph before being blown away. The winds destroyed the remainder of the weather station by ripping it and the piece of roof it was attached to off a house. The winds also destroyed an 800 pound wooden play set nearby. The roof of a barn and 30 feet of fencing was blown away and a 1200 pound boat was moved. Dime sized hail was also reported. In Prince George's County, high winds downed trees in Greenbelt, Seat Pleasant, and Landover. In Calvert County,

Storm Data and Unusual Weather Phenomena

June 2002

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

MARYLAND, Central

winds knocked down trees in Sunderland. In St. Mary's County, trees were downed in Golden Beach. In Howard County, a 57 MPH wind gust was recorded in Fulton.

MARYLAND, Northeast

MDZ008-012-015-019>020 Cecil - Kent - Queen Annes - Talbot - Caroline

01	0000EST				0	0	0	Drought
30	2359EST							

Precipitation during June of 2002 once again was drier than normal throughout the Maryland Eastern Shore. The drought emergency remained in effect for Cecil County. The rest of the Eastern Shore remained under a drought warning. Level one mandatory restrictions remained in place for Cecil County and included the prohibition of watering lawns, use of water for ornamental purposes use of water for non-commercial washing or cleaning of automobiles, trucks, trailers and boats, washing paved surfaces, use of sprinklers and other automatic watering devices for irrigation, watering gardens, trees, shrubs or other outdoor plants. Hand held hoses and containers could still be used. Elsewhere along the Eastern Shore, no formal restrictions were in place, but water conservation continued to be emphasized. The only reported exception was in Galena (Kent County) where watering restrictions were in place on the odd number days. Groundwater levels at eight measuring wells remained near record low levels. Subsoil moisture levels on farms were dry. Crops were described as "fair". The corn crop was showing signs of drought stress as the leaves were starting to curl and turn brown. The dry conditions were expected to cause a record number of outdoor fires on the Delmarva Peninsula. The rate of fires was ahead of the 2001 pace. On a county weighted average, June monthly precipitation ranged from 1.2 inches in Talbot County to 2.5 inches in Cecil County. Normal is around 3.9 inches. At the Baltimore-Washington International Airport, June monthly precipitation was 2.39 inches, 1.04 inches below normal.

Kent County

Betterton

05	2010EST				0	0	Thunderstorm Wind (G52)
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A severe thunderstorm knocked down a few trees in the northern part of Kent County. Lightning from the same storm struck a boat in Rock Hall. No serious damage or injuries were reported.

Queen Anne'S County

Grasonville

05	2020EST				0	0	Thunderstorm Wind (G57)
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A severe thunderstorm knocked down several large trees and pulled shingles from the roof of one house in Grasonville.

Kent County

4 NW Melitota to Massey

06	1501EST 1540EST				0	0	Hail(1.75)
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Kent County

4 NW Melitota to Worton

06	1501EST 1510EST				0	0	Thunderstorm Wind (G50)
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A severe thunderstorm dropped large hail across the northern two-thirds of Kent County. Hail as large as golf balls was reported in Chesapeake Landing. Crop damage from the hail was reported in Chestertown, Fairlee, Kennedyville, Massey, Melitota, Tolchester and Worton. The same storm tore limbs from trees around Chesapeake Landing and lifted a barn roof and tore down trees between Worton and Lynch.

Talbot County

St Michaels to Easton

06	1601EST 1615EST				0	0	Thunderstorm Wind (G61)^M
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A severe thunderstorm knocked down numerous trees from Saint Michaels east to Easton. Downed trees blocked U.S. Route 50 in Easton. But the biggest casualty of the severe thunderstorm was the massive Wye White Oak Tree in Wye Mills. The largest white oak tree in the United States was snapped near its base by it. The tree was 460 years old, 104 feet tall, had a circumference of 32 feet and weighed about 200 tons. Debris from the fallen tree spread across Maryland State Route 662. The road was closed through the night. A peak wind gust of 70 mph was measured at St. Michaels. Scattered power outages were all restored by 930 p.m. EDT that evening.

Queen Anne'S County

Grasonville

06	1610EST				0	0	0	Lightning
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Lightning struck a house in Grasonville. The ensuing house fire caused minor damage before firefighters extinguished it.

Queen Anne'S County

Queenstown

06	1620EST				0	0	Thunderstorm Wind (G52)
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A severe thunderstorm knocked down numerous trees in the southern half of Queen Anne's County.

Caroline County

Countywide

06	1620EST 1640EST				0	0	Thunderstorm Wind (G52)
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A severe thunderstorm knocked down a couple of trees in Caroline County including Denton.

Storm Data and Unusual Weather Phenomena

June 2002

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

Cecil County

North East	18	1708EST			0	0			Thunderstorm Wind (G56)
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A severe thunderstorm knocked over a few trees and caused minor damage to a few buildings including a retirement home. No serious injuries were reported.

Caroline County

Goldsboro	19	1415EST			0	0			Hail(0.75)
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Queen Anne'S County

Templeville	19	1435EST			0	0			Hail(0.75)
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MDZ008-012-015-019>020 Cecil - Kent - Queen Annes - Talbot - Caroline

24	0900EST				0	0			Excessive Heat
27	1900EST								

The first prolonged period of heat and humidity of the season affected the Maryland Eastern Shore for most of the work week of June 24th. A strong cold frontal passage during the evening of the 27th ended the hot spell. Highest temperatures included 98 degrees in Galena (Kent County), 97 degrees at the Baltimore-Washington International Airport, 96 degrees in Easton (Talbot County) and 94 degrees in Stevensville (Queen Anne's County).

MARYLAND, South

NONE REPORTED.

MARYLAND, West

NONE REPORTED.

MASSACHUSETTS, Central and East

Worcester County

Gardner	02	1051EST			0	0			Hail(0.75)
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Middlesex County

Dracut	02	1238EST			0	0			Hail(0.75)
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Essex County

Swampscott	02	1315EST			0	0	5K		Thunderstorm Wind (G50)
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Isolated severe thunderstorms produced dime sized hail in Gardner and Dracut, and downed trees and wires in Swampscott.

Franklin County

Heath	05	2050EST			0	0	2K		Thunderstorm Wind (G50)
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An isolated severe thunderstorm downed large branches in Heath.

Norfolk County

Stoughton	06	0010EST			0	0	5K		Lightning
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Lightning struck a main power cable, knocking out electricity to about 1,000 customers in Stoughton.

Hampden County

Southwick	16	1522EST			0	0			Hail(0.75)
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Worcester County

Spencer to Millford	16	1548EST 1625EST			0	0			Hail(0.75)
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Worcester County

Oxford	16	1558EST			0	0	20K		Thunderstorm Wind (G58) ^M
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Microburst

Norfolk County

Wrentham	16	1630EST			0	0	5K		Thunderstorm Wind (G50)
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Severe thunderstorms moved across parts of central and eastern Massachusetts. Dime sized hail was reported in Hampden and

Storm Data and Unusual Weather Phenomena

June 2002

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

Worcester Counties, from Southwick to Spencer, Oxford, Leicester, Millbury, and Milford. The storms also downed trees and power lines in Wrentham before weakening.

The same storms also produced a microburst in Oxford, bringing down several large, old trees. Other trees were downed on town and private property, utility poles were brought down, some roofs were slightly damaged, and the flagpole at the Middle School was bent by a falling tree. The microburst appeared to originate along Old Dudley Road and travel to Pineridge Drive, through South Cemetery, across Route 12 and Interstate 395, to Brown Road. A trained spotter measured a wind gust to 67 MPH as the storms moved through.

Norfolk County

Medfield	17	1955EST			0	0			Hail(0.75)
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Worcester County

Milford	17	1955EST			0	0			Hail(0.75)
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A small cluster of severe thunderstorms dropped dime sized hail in Milford and Medfield.

Bristol County

Dighton	26	0300EST			0	0	5K		Lightning
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Bristol County

Swansea	26	0319EST			0	0	20K		Lightning
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Lightning from early morning thunderstorms struck two trees in Dighton which took down power lines. A house in Swansea sustained heavy damage after a lightning strike ignited a fire. No injuries were reported.

Hampshire County

Easthampton	27	1538EST			0	0	12K		Thunderstorm Wind (G50)
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Worcester County

Shrewsbury	27	1625EST			0	0	20K		Thunderstorm Wind (G50)
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Hampshire County

Belchertown	27	1630EST			0	0	5K		Thunderstorm Wind (G50)
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Middlesex County

Wayland	27	1655EST			0	0	5K		Thunderstorm Wind (G50)
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Worcester County

Westborough to Shrewsbury	27	1735EST 1752EST			0	0	15K		Thunderstorm Wind (G50)
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Worcester County

Westborough	27	1741EST			0	0	500K		Lightning
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Middlesex County

Weston	27	1745EST			0	0	5K		Thunderstorm Wind (G50)
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Middlesex County

Lowell to Billerica	27	2000EST 2110EST			0	0	25K		Lightning
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Suffolk County

Winthrop	27	2010EST			0	0	100K		Lightning
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Severe thunderstorms moved through parts of central and northeast Massachusetts, with many reports of downed trees, power lines, and large branches from Easthampton to Shrewsbury, Westborough, Weston, and Wayland.

The storms also produced frequent lightning, and lightning strikes caused additional damage in Worcester, Middlesex, and Suffolk Counties. In Westborough, lightning ignited a fire in a utility building at National Grid which caused extensive damage. The five-alarm fire spewed black smoke over Route 9, but never threatened the nearby dispatch center which serves more than 1.6 million customers. Around the same time, lightning struck the attic of a house in Winthrop, causing significant damage. Several lightning strikes were also reported from Lowell to Billerica, causing scattered power outages.

MASSACHUSETTS, West

Berkshire County

North Adams	05	2020EST			0	0	6K		Thunderstorm Wind
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Thunderstorms developed along a pre-frontal trough on the evening of June 5. A line of storms moved into Berkshire County. Winds

Storm Data and Unusual Weather Phenomena

June 2002

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

from the storms were strong enough to bring down trees in the town of North Adams.

Berkshire County Richmond	16	1325EST			0	0	10K		Thunderstorm Wind
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Berkshire County West Stockbridge	16	1325EST			0	0			Hail(0.75)
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Berkshire County Lenox Dale	16	1333EST			0	0			Hail(1.00)
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Thunderstorms developed along an occluded frontal boundary, midday June 16 across western New York state. Their intensity was aided by a large cold pocket of air aloft combined with the strong June midday sunshine. As the storms approached the Hudson Valley of eastern New York, some of them became severe and that trend continued as they progressed further east, into Berkshire County. One inch hail fell in the town of Lenox Dale while dime size hail fell in Stockbridge. Microburst thunderstorm winds downed trees in the town of Richmond, in a path 3/4 of a mile long and 50 yards wide. The storm also removed shingles from a barn, and blew screens off a nearby house. The winds were estimated to be around 75 mph.

Berkshire County North Adams	17	1801EST			0	0			Hail(1.00)
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Berkshire County New Ashford to Williamstown	17	1916EST			0	0			Hail(1.00)
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Berkshire County Adams	17	1926EST			0	0			Hail(0.75)
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For the second day in a row, scattered thunderstorms developed across Berkshire County as the result of a very unstable atmosphere abetted by an unseasonably cold pocket of air aloft. One cell became severe as it brought quarter-size hail to North Adams. Later, that storm deposited one inch hail on the border of Williamstown and New Ashford. Dime size hail was reported in the town of Adams.

MICHIGAN, East

Livingston County Brighton	14	1540EST			0	0			Hail(0.75)
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Oakland County 1 N South Lyon	14	1615EST			0	0			Hail(0.75)
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An upper level low pressure system moved across the Great Lakes region on the 14th. Cold air aloft associated with this system caused scattered thunderstorms across eastern Michigan during the afternoon and early evening hours. The strongest storms produced large hail.

St. Clair County St Clair	17	1343EST			0	0			Hail(0.75)
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St. Clair County St Clair	17	1345EST			0	0			Hail(0.75)
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Wayne County Flat Rock	17	1450EST			0	0			Hail(0.75)
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Saginaw County Fenmore	17	1605EST			0	0			Hail(0.75)
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Shiawassee County Henderson	17	1625EST			0	0			Hail(0.75)
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Lapeer County 3 S North Branch	17	1630EST			0	0			Hail(0.75)
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Bay County 7 W Linwood	17	1638EST			0	0			Hail(0.75)
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Tuscola County 1 S Akron	17	1659EST			0	0			Hail(0.75)
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Tuscola County Caro	17	1710EST			0	0			Hail(0.75)
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Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>MICHIGAN, East</u>									
Tuscola County									
Kingston	17	1735EST			0	0			Hail(0.75)
Lapeer County									
North Branch	17	1743EST			0	0			Hail(0.75)
St. Clair County									
Smiths Creek	17	1750EST			0	0			Hail(0.75)
St. Clair County									
4 NW St Clair	17	1805EST			0	0			Hail(0.75)
Oakland County									
Ortonville	17	1846EST			0	0	30K		Lightning
A newspaper reported that lightning struck a home in Brandon Township near Ortonville. The lightning hit the garage and set it on fire. No injuries were reported.									
Macomb County									
Sterling Hgts	17	1847EST			0	0			Hail(0.75)
An upper level disturbance interacting with cold air aloft caused numerous thunderstorms to develop across eastern Michigan during the afternoon and early evening on the 17th. Large hail was associated with many of these storms. Most of the strongest storms developed near Lakes Huron and Erie due to added convergence along lake breeze boundaries.									
Tuscola County									
Millington	21	1136EST			0	0			Hail(0.75)
Lenawee County									
Adrian	21	1250EST 1350EST			0	0			Flash Flood
Law enforcement reported 3 to 4 feet of water over roads on the east side of Adrian.									
Lenawee County									
5 SE Adrian	21	1300EST			0	0			Lightning
Lightning struck a home in Palmyra Township. No damage was reported.									
Lenawee County									
3 S Tecumseh	21	1300EST			0	0	150K		Lightning
Lightning struck a home and set it on fire. The home sustained serious damage from the fire.									
Monroe County									
Maybee	21	1310EST			0	0			Thunderstorm Wind (G51) ^M
A wind gust to 60 MPH was measured by a spotter. The spotter also reported that a few large trees had been blown down.									
Washtenaw County									
Whittaker	21	1310EST			0	0			Hail(1.00)
Wayne County									
Hamtramck	21	1320EST			0	0			Hail(0.88)
Wayne County									
2 S Taylor	21	1335EST 1435EST			0	0	50K		Flash Flood
The general public reported water covering a residential neighborhood about a foot deep. Water was estimated to have collected to a depth of 8 to 10 feet beneath overpasses. The Southland Mall closed after high water swamped parking lots and caused several vehicles to overturn.									
Wayne County									
2 S Taylor	21	1335EST			0	0			Hail(0.75)
Wayne County									
Southgate	21	1338EST 1438EST			0	0			Flash Flood
A newsported reported that an estimated 30 city streets were flooded by heavy thunderstorm rains.									
Wayne County									
Southgate	21	1338EST			0	0			Thunderstorm Wind (G52)
Hundreds of trees were damaged by thunderstorm winds.									

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>MICHIGAN, East</u>									
Wayne County									
Southgate	21	1338EST			0	0			Thunderstorm Wind (G50)
Several electrical poles were blown over by thunderstorm winds on Fort Street.									
Wayne County									
Wyandotte	21	1341EST			0	0			Hail(1.00)
Wayne County									
Wyandotte	21	1341EST			0	0			Thunderstorm Wind (G50)
A spotter reported numerous trees blown down.									
Monroe County									
Milan	21	1400EST 1500EST			0	0			Flash Flood
Law enforcement reported around a foot of standing water over roadways.									
Very warm and humid air, combined with several weak frontal boundaries across the region, allowed scattered thunderstorms to develop during the afternoon of the 21st. Some of these storms produced hail and very heavy rainfall. Slow storm movement and the intense rainfall led to flooding in some locations. The most persistent heavy rainfall occurred from Adrian to Monroe to the southern suburbs of Detroit, where rainfall rates of 2 inches per hour were reported.									
Sanilac County									
Decker	22	0510EST			0	0			Thunderstorm Wind (G50)
Trained spotters reported numerous tree limbs ranging from 3 to 9 inches in diameter were broken off trees due to thunderstorm winds.									
Sanilac County									
4 S Sandusky	22	0539EST			0	0	30K		Lightning
Lightning struck a barn in Watertown Township and set it on fire.									
Sanilac County									
2 SW Sandusky	22	0540EST			0	0	5K		Lightning
Lightning struck a barn and caused minor damage.									
Washtenaw County									
9 S Ypsilanti	22	1500EST			0	0			Hail(0.75)
Midland County									
10 W Midland	22	1700EST			0	0	5K		Lightning
Lightning struck an oak tree. Parts of the tree landed on a trailer and caused minor damage.									
Genesee County									
Otisville	22	1800EST			0	0			Thunderstorm Wind (G50)
Trained spotters reported that thunderstorm winds blew several large tree limbs down.									
Thunderstorms developed early in the morning along a frontal boundary that extended from central Lower Michigan across the thumb. The strongest storms during the morning occurred in Sanilac county. Although the front exited the region later in the morning, a warm and humid airmass led to additional thunderstorm development during the afternoon across eastern Michigan. A few of these storms produced large hail and damaging winds. The storms also caused hundreds of power outages throughout eastern Michigan.									
Shiawassee County									
Owosso	25	1746EST			0	0			Hail(1.75)
Shiawassee County									
1 N Corunna	25	1750EST			0	0			Thunderstorm Wind (G50)
Spotters reported several trees and telephone poles blown down.									
Macomb County									
2 E Romeo	25	1800EST			0	0			Thunderstorm Wind (G50)
Numerous trees were blown down by a thunderstorm.									
Washtenaw County									
4 NE Dexter	25	1900EST			0	0	10K		Thunderstorm Wind (G50)
Several trees were blown down. One landed on a house.									
Oakland County									
2 S Leonard	25	2000EST			0	0			Thunderstorm Wind (G50)
The Addison Township fire department reported that several trees had blown down in thunderstorm winds.									

Storm Data and Unusual Weather Phenomena

June 2002

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

Macomb County

4 NW Romeo	25	2015EST			0	0			Thunderstorm Wind (G50)
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Several trees were blown down in a thunderstorm.

Thunderstorms developed during the afternoon and evening hours across the state. A warm and humid airmass, combined with a weak upper level disturbance, allowed the storms to develop. Some of the storms that developed produced severe wind gusts

Macomb County

Sterling Hgts	26	1625EST			0	0			Thunderstorm Wind (G50)
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Law enforcement reported several large tree limbs and power lines blown down in thunderstorm winds.

Wayne County

Detroit	26	1700EST			0	0	10K		Thunderstorm Wind (G52)
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Broadcast media reported some trees blown down and a roof partially blown off due to thunderstorm winds.

Scattered thunderstorms developed due to a warm and humid airmass and convergence along lake breeze fronts and a surface trough. A couple of these storms produced severe wind gusts.

MIZ069

Oakland

	28	1720EST			2	0			Excessive Heat
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A 10 month old girl and her 3-year old brother died after being left alone in a closed car in Southfield. Temperatures that day were in the 90s while the children were left in the car. They were in the car approximately 3 hours and died from the extreme heat. M3VE, FIVE

MICHIGAN, Extreme Southwest

Berrien County

2 E Spinks Corners	03	0922EST			0	0	0		Thunderstorm Wind
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Amateur radio reported trees and power lines down at SR 152 and 140 or 2 miles east of Spinks Corner.

Hillsdale County

Frontier	14	1423EST			0	0			Hail(0.75)
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MICHIGAN, North

NONE REPORTED.

MICHIGAN, Upper

Dickinson County

10 N Sagola	13	1519CST			0	0			Thunderstorm Wind (G60)
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An eight inch diameter tree was blown down.

Marquette County

3 E Witch Lake	13	1624EST			0	0			Thunderstorm Wind (G60)
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Four inch diameter trees were blown down.

Baraga County

6 N Watton	13	1630EST			0	0			Hail(0.75)
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Three quarter inch diameter hail covered the ground three inches deep.

Houghton County

6 NNE Kenton	13	1645EST			0	0			Hail(0.75)
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Penny sized hail was reported.

Baraga County

2 S Alberta	13	1649EST			0	0			Hail(1.00)
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One inch diameter hail covered the ground three inches deep.

An upper trough interacted with a surface boundary to produce scattered thunderstorms on the afternoon of June 13th. Two of the storms became severe as they moved east northeast across central Upper Michigan, with up to one inch hail and winds to 60 mph.

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>MICHIGAN, Upper</u>									
Houghton County Redridge	20	0218EST			0	0			Hail(0.88) Nickle sized hail was reported.
Ontonagon County 3 E Bruce Crossing	20	0220EST			0	0			Hail(0.75) Three quarter inch hail was reported.
Houghton County 7 NW Houghton	20	0223EST			0	0			Thunderstorm Wind (G60) A 14 inch diameter tree was blown down.
Baraga County 3 W Baraga	20	0330EST			0	0			Thunderstorm Wind (G60) An eight inch diameter popple tree and several smaller trees were blown down. Thunderstorms ahead of a weak cold front impacted mainly western Upper Michigan overnight on June 19th and into the morning of the 20th. Some of these storms became severe during the early morning of the 20th, with large hail and/or damaging wind gusts in Ontonagon, Houghton and Baraga Counties.
Baraga County Covington	25	1449EST			0	0			Hail(0.75) Three quarter inch hail was reported.
Schoolcraft County Germfask	25	1449EST			0	0			Hail(0.75) Three quarter inch hail was reported.
Ontonagon County Ewen	25	1945EST			0	0			Thunderstorm Wind (G60) A twelve inch diameter tree was blown down.
Iron County Iron River	25	2145CST			0	0			Thunderstorm Wind (G55) Large limbs and small trees were blown down.
Iron County Alpha	25	2208CST			0	0			Thunderstorm Wind (G60) Several 12 inch diameter trees were blown down.
Dickinson County Felch	25	2245CST			0	0			Thunderstorm Wind (G55) Large tree limbs were broken off.
Marquette County Northland	25	2350EST			0	0			Hail(1.75) Golf ball sized hail was reported.
Delta County 6 SE Rock	26	0030EST			0	0			Hail(1.00) One inch diameter hail was reported.
Schoolcraft County 8 S Steuben	26	0110EST			0	0			Thunderstorm Wind (G60) Several large trees were uprooted. A warm front moved north of Upper Michigan on June 25th. Daytime temperatures rose well into the 80s away from the cooling influence of the Great Lakes. The uncomfortable heat and humidity triggered the development of scattered thunderstorms. Some of these storms were severe, and penny-sized hail fell at Germfask in Schoolcraft County and Covington in Baraga County during the late afternoon. Another round of locally severe thunderstorms ripped across Upper Michigan overnight on the 25 and 26th, well in advance of an approaching cold front. These storms felled large trees at Ewen in Ontonagon County, at Iron River and Alpha in Iron County, and at Felch in Dickinson County. Hail the size of quarters fell near Rock in Delta County. Northland in southern Marquette County was bombarded by even larger hailstones, estimated by spotters to be the size of golf balls.

Storm Data and Unusual Weather Phenomena

June 2002

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

Allegan County

Wayland	15	1758EST			0	0	2K	2K	Hail(0.75)
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Three quarters inch hail was reported by trained spotters 3 miles west of Wayland.

Ottawa County

Holland	15	1800EST			0	0	2K	2K	Hail(0.75)
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Three quarters inch hail was also reported by the public near Holland just north of the Allegan and Ottawa county line.

Isabella County

Beal City	17	1430EST			0	0	5K	5K	Hail(1.75)
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An isolated severe thunderstorm developed over Lake Isabella in Isabella county during the early afternoon hours, and local area law enforcement reported one and three quarters inch hail with the storm.

Ionia County

Lake Odessa	25	1630EST			0	0	5K		Thunderstorm Wind (G53)
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Local area law enforcement reported that several trees were blown down in Campbell and Odessa Townships.

Clinton County

Eagle	25	1731EST			0	0	5K		Thunderstorm Wind (G53)
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Severe thunderstorm wind gusts blew down several trees along Grand River Avenue in the extreme southwest corner of Clinton county.

MINNESOTA, Central and South Central

Nicollet County

Nicollet	03	0200CST			0	0			Hail(0.88)
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Nicollet County

St Peter	03	2152CST			0	0			Hail(0.88)
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Le Sueur County

2 NE Kasota	03	2200CST			0	0			Hail(1.00)
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Ground white.

Brown County

3 SE Searles	03	2235CST			0	0			Hail(0.75)
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Ground white.

Blue Earth County

3 SW Cambria	03	2240CST			0	0			Hail(0.75)
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Kandiyohi County

3 W Spicer	06	1810CST			0	0			Hail(1.75)
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Wright County

Maple Lake	06	1900CST			0	0			Hail(0.75)
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Stearns County

3 SW Lake Henry	06	1902CST			0	0			Hail(0.75)
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Kandiyohi County

Hawick	06	1903CST			0	0			Hail(0.75)
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Wright County

5 N Howard Lake	06	1913CST			0	0			Hail(1.00)
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Wright County

Waverly	06	1913CST			0	0			Hail(1.00)
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Stearns County

Paynesville	06	1916CST			0	0			Hail(0.75)
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Meeker County

Litchfield	06	1922CST 1927CST			0	0			Hail(1.75)
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Ground white.

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>MINNESOTA, Central and South Central</u>									
Meeker County									
3 E Eden Vly	06	1930CST			0	0			Hail(0.75)
Mcleod County									
Winsted	06	1935CST			0	0	20K		Thunderstorm Wind (G70) Roof blown off mobile home at airport. Roof blown off stage at Winstock Music Festival, destroying numerous folding chairs.
Mcleod County									
Winsted	06	1945CST			0	0			Hail(0.88)
Meeker County									
3 W Watkins	06	2000CST			0	0			Hail(0.75)
Stearns County									
5 NW Kimball	06	2015CST 2020CST			0	0			Hail(0.75)
Carver County									
4 N New Germany	06	2030CST			0	0			Hail(0.75)
Meeker County									
6 SE Litchfield	06	2049CST			0	0			Hail(0.88)
Mcleod County									
Glencoe	07	1430CST			0	0			Hail(0.88)
Carver County									
5 W Young America	07	1435CST			0	0			Hail(0.75)
Carver County									
2 N Hamburg	07	1440CST			0	0			Hail(1.00)
Carver County									
Young America	07	1445CST 1449CST			0	0			Hail(0.75)
Martin County									
4 S Dunnell	07	1750CST			0	0			Thunderstorm Wind (G50) Few trees down.
Stevens County									
1 N Hancock	10	1720CST 1730CST			0	0			Hail(0.75)
Swift County									
4 E Swift Falls	10	1730CST			0	0			Hail(0.75)
Pope County									
2 SW Terrace	10	1820CST			0	0			Hail(0.75)
Stearns County									
1 NW St Martin	10	1918CST			0	0			Hail(0.75)
Wright County									
Montrose	10	2125CST			0	0			Hail(0.75)
Carver County									
Watertown	10	2157CST			0	0			Hail(1.75)
Carver County									
Watertown	10	2200CST			0	0			Thunderstorm Wind (G52) Large tree limb down in street.
Hennepin County									
Deephaven	10	2223CST			0	0			Hail(1.00)
Hennepin County									
Deephaven	10	2223CST			0	0			Thunderstorm Wind (G50) Few trees down.

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>MINNESOTA, Central and South Central</u>									
Hennepin County									
Orono	10	2225CST			0	0			Thunderstorm Wind (G50) Few trees down.
Scott County									
1 E Blakeley	10	2237CST			0	0			Hail(0.75)
Hennepin County									
Bloomington	10	2239CST			0	0			Hail(0.75) At Highway 100 and Interstate 494.
Hennepin County									
Richfield	10	2240CST			0	0			Hail(0.75) At Highway 62 and Interstate 35W.
Dakota County									
Mendota Hgts	10	2250CST			0	0			Thunderstorm Wind (G50) Large tree limb down across road.
Rice County									
1 S Shieldsville	10	2332CST			0	0			Hail(0.88)
Faribault County									
Blue Earth	11	0100CST 0300CST			0	0			Flash Flood Two feet of water on city streets. Manhole covers blown off sewers.
Waseca County									
8 N Waseca	12	1514CST			0	0			Hail(0.88)
Steele County									
8 WNW Owatonna	12	1530CST 1550CST			0	0			Hail(0.88)
Faribault County									
Countywide	18	0200CST 0330CST			0	0			Flash Flood Total rainfall of 3.5 to 5 inches fell across much of the county, mainly from Delavan to Frost and Walters. Water covered a few roads in several townships, and washed away 35 acres of corn near Frost.
Todd County									
9 E Long Prairie	19	0855CST			0	0			Hail(0.75)
Morrison County									
3 NW Flensburg	19	0900CST			0	0			Hail(0.75)
Stevens County									
10 SW Morris	19	1740CST			0	0			Hail(0.75)
Swift County									
12 N Appleton	19	1743CST			0	0			Hail(0.75)
Douglas County									
2 W Kensington	19	1745CST			0	0			Hail(1.00)
Stevens County									
4 SW Hancock	19	1810CST			0	0			Hail(1.00)
Pope County									
7 S Cyrus	19	1815CST			0	0			Hail(0.75)
Douglas County									
Alexandria	19	1820CST			0	0			Thunderstorm Wind (G50) Tree down.
Stearns County									
4 W Sauk Centre	19	1858CST 1900CST	0.3	25	0	0			Tornado (F0) Brief touchdown in open field witnessed by broadcast meteorologist.

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>MINNESOTA, Central and South Central</u>									
Stearns County									
3 W Freeport	19	1919CST			0	0			Funnel Cloud
Stearns County									
Sartell	19	2010CST			0	0			Funnel Cloud
Stearns County									
St Cloud	19	2018CST	0.1	25	0	0			Tornado (F0) Brief touchdown in Hester Park along the Mississippi River. Few trees down.
Mcleod County									
Glencoe	19	2210CST			0	0			Hail(0.75)
Mcleod County									
4 N Glencoe	19	2236CST			0	0			Hail(0.75)
Mcleod County									
Plato	19	2240CST			0	0			Hail(0.75)
Mcleod County									
3 SW Lester Prairie	19	2253CST			0	0			Hail(0.75)
Goodhue County									
West Portion	21	0630CST 1000CST			0	0	200K		Flash Flood Over four inches rain fell in the western half of Goodhue County Friday morning on the 21st. Two state highways were closed, over one dozen roads under water from Welch and Cannon Falls to Sogn, Kenyon, Wanamingo and Skyberg. Two campgrounds were evacuated as a precaution. One road was washed out.
Wright County									
Southeast Portion	21	0808CST 1100CST			0	0			Flash Flood Two highways and several township roads were covered with two to three feet of water, in an area from two miles south of Montrose to Rockford.
Kandiyohi County									
Central Portion	21	0900CST 1100CST			0	0			Flash Flood Numerous intersections were flooded with two to three feet of water in Willmar, and street flooding was reported in Atwater. Water in the parking lot at Kandi Mall nearly submerged one car.
Meeker County									
Countywide	21	0900CST 1100CST			0	0			Flash Flood Three roads were covered with water and closed by local officials. Another road was washed in the wake of rains that totalled three to six inches.
Goodhue County									
Southeast Portion	21	1045CST 1200CST			0	0	200K		Flash Flood A second bout of heavy rainfall fell just hours after two to three inches had already soaked southeast Goodhue County. About one dozen county roads were under water from Roscoe and Pine island to Zumbrota and Mazeppa. The lumber yard at Pine Island was flooded, but much of the lumber had already been moved to higher ground due to the warning. A city park at Zumbrota was also flooded, resulting in damage to softball fields and a trail.
MNZ078									
		Goodhue							
	21	1200CST			0	0	100K		Flood The heavy rains on June 21st led to flooding of several rivers in Goodhue County. In Cannon Falls, along the Cannon River, Minnieska park was flooded, uprooting trees, destroying a bike path and damaging a retaining wall. The flooding hit its peak at 1830 on the 21st, but since officials knew it was coming, the artesian well had been shut down thereby preventing any damage to that system. In the wake of flooding on the North Fork of the Zumbro River, the State Highway 57 bridge at Wanamingo was closed for several days to allow engineers a thorough inspection.
	22	1400CST							
Redwood County									
1 SW Seaforth	21	1400CST			0	0			Hail(1.00)
Redwood County									
Vesta	21	1400CST			0	1			Lightning

Storm Data and Unusual Weather Phenomena

June 2002

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

Lightning struck a machine shop in which a man was working. Some electricity traveled through a hoist and hydraulic hose that the man was holding, entered his body through one arm and exited out the other. Although struck, the injury was not serious.

Anoka County									
Coon Rapids	24	1439CST 1443CST			0	0			Hail(1.00)
Hennepin County									
Brooklyn Center	24	1440CST			0	0			Hail(0.75)
Anoka County									
Blaine	24	1447CST			0	0			Hail(1.75)
Stearns County									
New Munich	24	1510CST			0	0			Hail(1.00)
Stearns County									
3 N Avon	24	1535CST			0	0			Hail(0.75)
Stearns County									
Jacobs Prairie	24	1548CST			0	0			Hail(0.75)
Sherburne County									
1 S Princeton	24	1610CST			0	0			Thunderstorm Wind (G50)
Six inch branches down.									
Sherburne County									
2 E Zimmerman	24	1642CST			0	0			Hail(0.88)
Anoka County									
East Bethel	24	1705CST			0	0			Thunderstorm Wind (G52)
Few trees down.									
Anoka County									
St Francis	24	1705CST			0	0			Hail(0.88)
Wright County									
Cokato	24	1850CST			0	0			Hail(0.75)
Meeker County									
Cosmos	24	1852CST			0	0			Hail(1.75)
Mcleod County									
3 N Hutchinson	24	1855CST			0	0			Hail(1.75)
Mcleod County									
3 N Hutchinson	24	1855CST			0	0			Thunderstorm Wind (G52)
Few trees down.									
Wright County									
2 SE Annandale	24	1900CST			0	0			Thunderstorm Wind (G50)
Tree down on road.									
Mcleod County									
4 SE Silver Lake	24	1905CST			0	0			Thunderstorm Wind (G55)
Numerous trees down, including one on a garage.									
Wright County									
1 S Howard Lake	24	1908CST			0	0			Hail(1.00)
Wright County									
Annandale	24	1910CST			0	0			Thunderstorm Wind (G52)
Trees down: one was partially blocking a road.									
Wright County									
2 N Howard Lake	24	1910CST			0	0			Thunderstorm Wind (G52)
Trees down, including one on shed.									
Wright County									
5 N Howard Lake	24	1910CST			0	0			Thunderstorm Wind (G50)

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>MINNESOTA, Central and South Central</u>									
			Tree down across road.						
Wright County									
1 SW Howard Lake	24	1928CST			0	0			Thunderstorm Wind (G52)
			Few trees down and power lines down.						
Carver County									
Watertown	24	1932CST			0	0			Hail(1.75)
Hennepin County									
Maple Plain	24	1950CST			0	0			Hail(0.75)
Hennepin County									
Mound	24	2005CST			0	0			Hail(0.75)
Hennepin County									
Greenfield	24	2028CST			0	0			Hail(0.75)
Meeker County									
3 SE Dassel	24	2115CST			0	0			Thunderstorm Wind (G50)
			Tree down.						
Wright County									
Howard Lake	24	2149CST			0	0			Thunderstorm Wind (G50)
			Large tree down in road.						
Lac Qui Parle County									
Madison	24	2159CST			0	0			Hail(0.75)
Renville County									
3 SE Hector	24	2200CST			0	0			Thunderstorm Wind (G60)
			Grain bins blown over, numerous trees down.						
Wright County									
3 W Delano	24	2200CST			0	0			Thunderstorm Wind (G52)
			Few trees down.						
Wright County									
Delano	24	2211CST			0	0			Thunderstorm Wind (G52)
			Few trees and power lines down.						
Wright County									
Howard Lake	24	2211CST			0	0			Thunderstorm Wind (G50)
			Tree blown onto shed.						
Wright County									
5 SW Delano	24	2215CST 2218CST	0.3	50	0	0	50K		Tornado (F1)
			Tornado touched down briefly, knocking down trees and damaging two houses. One house had a roof blown off while the other had damage to siding and shingles.						
Chippewa County									
Watson	24	2227CST			0	0			Hail(0.75)
Stearns County									
East Central Portion	24	1555CST 1630CST			0	0			Flash Flood
			Street flooding in St. Cloud and Waite Park. Water was about two feet deep.						
Isanti County									
Isanti	24	1700CST 1800CST			0	0			Flash Flood
			Four inches of rain in less than two hours resulted in water two to three feet deep in the city of Isanti.						
Wright County									
Countywide	24 25	2105CST 0300CST			0	0	25M		Flash Flood

Storm Data and Unusual Weather Phenomena

June 2002

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

Just three days after a heavy rainfall and flash flooding on the 21st, four to seven inches were widespread across Wright County, and there was an unofficial report of ten inches in less than six hours. Dozens of roads were closed, and many experienced washouts. A cabin at Waverly was pushed off its foundation by a mudslide. One home in Howard Lake sustained severe damage from a mudslide. A mobile home park in Howard Lake was flooded; 17 families were displaced by the water. Over 100 homes in Howard Lake had flooded basements. Some businesses and homes in Delano and Montrose were flooded. In Annandale, ten vehicles were submerged and numerous basements flooded. An auto dealership in Buffalo lost about 270 vehicles when flood waters soaked their lot. Dozens of basements were flooded in Buffalo and Maple Lake. Local agricultural officials estimate as much as 25% of the crops were lost, and 650 farms experienced losses.

Carver County

Watertown

24	2200CST 2300CST				0	0			Flash Flood
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Three to four inches of rain covered roads and resulted in a number of basements with water.

McLeod County

Winsted

24	2200CST 2300CST				0	0			Flash Flood
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Basements were flooded and roads covered in the wake of a quick three to four inches of rain.

Hennepin County

Corcoran

24	2230CST 2330CST				0	0			Flash Flood
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Three to five inches of rain resulted in the washout of one road and closure of two others.

Meeker County

Countywide

25	0010CST 0300CST				0	0	200K		Flash Flood
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Four to six inches of rain affected the northern and eastern portions of Meeker County. Ten roads were closed, and 5 others were covered with some water. A culvert washed out 3 NW Kingston, leading to a section of State Highway 24 collapsing. One family had to be rescued from a car 4 W Kingston. Water was over roads at Dassel, and numerous basements were flooded in Litchfield and Grove City.

Hennepin County

West Central Portion

25	0030CST 0300CST				0	0			Flash Flood
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Four to six inches of rain resulted in a mudslide at Rebecca Park (south of Rockford), a road covered with water at Independence, and sandbagging of home along Lake Sarah in Orono.

Carver County

Northwest Portion

25	0100CST 0300CST				0	0	100K		Flash Flood
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Four to six inches of rain closed numerous roads, including State Highway 25 2 miles northwest of Watertown. This highway, and ten other county and township roads, were closed several days for repairs. Mapes Creek in Watertown flooded, resulting in numerous flooded basements in the Ortloff Addition. Two other cities in northwest carver County that were hit with flooding include New Germany and Hamburg.

McLeod County

Countywide

25	0100CST 0300CST				0	0	800K		Flash Flood
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Four to six inches rain flooded much of northern and eastern McLeod County, mainly along and northeast of a line from Hutchinson to 4 S Glencoe. Ten roads were covered with water. Ditches and creeks overflowed near Winsted and Lester Prairie. One home in Lester Prairie was flooded. A few homes required sandbagging, and nearly 300 houses had their basements flooded. Thousands of acres of farmland were flooded. Water damaged much of the school in Silver Lake.

Lac Qui Parle County

12 S Marietta

25	1610CST				0	0			Hail(0.75)
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Kanabec County

10 N Mora

25	1652CST 1702CST				0	0			Hail(1.75)
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Kanabec County

4 N Quamba

25	1705CST				0	0			Hail(1.00)
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Benton County

Gilman

25	1712CST				0	0			Hail(1.75)
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Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>MINNESOTA, Central and South Central</u>									
Benton County									
1 N Glendorado	25	1730CST 1745CST			0	0			Hail(0.88)
Kanabec County									
4 N Quamba	25	1730CST			0	0			Hail(0.75)
Mille Lacs County									
Princeton	25	1748CST			0	0			Hail(0.75)
Lac Qui Parle County									
5 W Dawson	25	1750CST			0	0			Hail(1.00)
Mille Lacs County									
Princeton	25	1755CST			0	0			Hail(2.50)
Mille Lacs County									
Princeton	25	1755CST			0	0			Thunderstorm Wind (G52) Tree uprooted. Large tree branches down. Power lines down.
Isanti County									
12 W Cambridge	25	1800CST			0	0			Hail(1.50)
Isanti County									
2 SE Braham	25	1807CST			0	0			Hail(0.75)
Sherburne County									
7 SSE Princeton	25	1856CST			0	0			Hail(0.75)
Anoka County									
St Francis	25	1915CST			0	0			Hail(1.00)
Le Sueur County									
St Thomas	25	2240CST			0	0			Hail(0.75)
Waseca County									
Janesville	25	2345CST			0	0			Hail(0.75)
Waseca County									
Janesville	25	2345CST			0	0			Thunderstorm Wind (G50) Trees down.
Waseca County									
Waseca Muni Arpt	25	2358CST			0	0			Thunderstorm Wind (G50) ^M
Lac Qui Parle County									
3 W Bellingham	25	1815CST			0	0			Hail(1.75)
Lac Qui Parle County									
Madison	25	1840CST			0	0			Hail(1.50)
Lac Qui Parle County									
Madison	25	1840CST			0	0			Thunderstorm Wind (G52) Several trees and power lines down.
Lac Qui Parle County									
5 NW Madison	25	1841CST			0	0			Hail(0.88)
Lac Qui Parle County									
Madison	25	1845CST			0	0			Hail(1.75)
Lac Qui Parle County									
Madison	25	1845CST			0	0			Thunderstorm Wind (G55) Twelve inch diameter tree down.
Lac Qui Parle County									
Madison	25	1848CST			0	0			Hail(1.75)
Lac Qui Parle County									
Dawson	25	1855CST			0	0			Thunderstorm Wind (G52)

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
MINNESOTA, Central and South Central									
									Trees down.
Lac Qui Parle County Dawson to 2 W Boyd	25	1855CST			0	0			Thunderstorm Wind (G55)
									Path up to 1 mile wide. Crop Damage. Large trees down. Power lines down.
Lac Qui Parle County Dawson	25	1902CST			0	0			Hail(0.75)
Lac Qui Parle County 4 SE Dawson	25	1905CST			0	0			Hail(1.50)
Lac Qui Parle County 2 S Boyd to 4 SSE Boyd	25	1910CST 1914CST	1.5	100	0	0	10K		Tornado (F1)
									Tornado embedded within a rain-wrapped storm was videotaped as it crossed open country. The tornado continued into Yellow Medicine County.
Yellow Medicine County 3 WNW Clarkfield to 2 S Clarkfield	25	1914CST 1920CST	4	100	0	0	50K		Tornado (F1)
									Tornado started in Lac Qui Parle County and ended in Yellow Medicine County. It destroyed one third of a turkey barn south of Clarkfield.
Lac Qui Parle County 2 W Boyd	25	1915CST			0	0			Hail(1.00)
Lac Qui Parle County Boyd	25	1915CST			0	0			Hail(0.75)
Lac Qui Parle County Boyd	25	1915CST			0	0			Thunderstorm Wind (G52)
									Few trees down, including one through roof of house.
Yellow Medicine County 4 N Clarkfield	25	1920CST			0	0			Hail(0.75)
Yellow Medicine County Clarkfield	25	1920CST			0	0			Thunderstorm Wind (G60)
									Few trees down. Mobile construction office tipped over.
Yellow Medicine County Hazel Run	25	1930CST			0	0			Thunderstorm Wind (G60)
									Silo destroyed; few trees down.
Yellow Medicine County Hanley Falls	25	1936CST			0	0	750K		Thunderstorm Wind (G60)
									Three large grain bins dented, ham radio tower down, numerous trees down. Minor damage to roofs and windows of houses.
Yellow Medicine County Wood Lake	25	1943CST			0	0			Thunderstorm Wind (G65)
									Numerous trees down; wood and steel pieces thrown around lumber yard.
Yellow Medicine County Echo	25	1950CST			0	0			Thunderstorm Wind (G55)
									Few trees down. This was the last severe weather event to be reported from an intense high-precipitation supercell that tracked southeast. The storm produced severe weather for approximately 60 miles across Lac Qui Parle and Yellow Medicine Counties. An NWS damage survey was performed from Dawson to Boyd (Lac Qui Parle County); the damage was such that a tornado could neither be proved nor disproved. Video from a meteorologist indicated there was a tornado from south of Boyd to south of Clarkfield (see related entry).
Isanti County 8 SW Cambridge	25	1815CST			0	0			Hail(0.75)
Isanti County Isanti	25	1821CST			0	0			Hail(1.75)

Storm Data and Unusual Weather Phenomena

June 2002

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

Isanti County

4 E Isanti to 5 E Isanti	25	1830CST 1833CST	1	100	0	0			Tornado (F1)
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Barn roof off, hundreds of trees toppled, few sheds down.

Anoka County

3 NE Linwood	25	1835CST			0	0			Funnel Cloud
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Anoka County

3 NE Linwood	25	1835CST			0	0			Hail(1.00)
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Anoka County

3 N Linwood	25	1835CST			0	0			Thunderstorm Wind (G50)
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Few trees down.

Isanti County

1 E Blomford	25	1840CST			0	0			Hail(0.88)
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Chisago County

Chisago City	25	1843CST			0	0			Hail(1.75)
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Chisago County

North Branch	25	1845CST			0	0			Hail(0.75)
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Chisago County

Wyoming	25	1850CST			0	0			Funnel Cloud
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Chisago County

Wyoming to 6 S Center City	25	1850CST 1900CST			0	0			Thunderstorm Wind (G65)
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5 mile wide swath with scattered trees down. A few trees fell on cars, houses, and sheds.

Chisago County

3 S Chisago City	25	1900CST			0	0			Hail(1.75)
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Hail dented car.

Washington County

Scandia	25	1903CST			0	0			Thunderstorm Wind (G52)
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Trees and power lines down. This was the last event in Minnesota associated with this supercell, but it did continue into west central Wisconsin, producing large hail and wind damage as far as 4 SE Deer Park (St. Croix County). This storm spawned one tornado and two funnel clouds in Minnesota (in Isanti, Anoka and Chisago Counties).

MINNESOTA, Northeast

Koochiching County

Ranier	09	2015CST			0	0			Thunderstorm Wind (G50)
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Trees were blown down in the City Beach area.

Koochiching County

Loman	09 10	2300CST 0630CST			0	0			Flood
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Three to six inches of rain overnight in northern Koochiching caused most roads in that area to become water-covered. Small streams overflowed their banks and 139 homes were damaged.

Koochiching County

International Falls	09	2310CST			0	0			Hail(0.88)
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Cass County

3 E Cass Lake	14	1815CST			0	0			Thunderstorm Wind (G50)
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Trees were blown down.

Cass County

4 NW Longville	14	1820CST			0	0			Hail(0.75)
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Aitkin County

Aitkin	19	0100CST			0	0			Lightning
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Lightning striking a tree caused electrical damage to a nearby home.

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>MINNESOTA, Northeast</u>									
Itasca County									
Bovey	22	1320CST			0	0			Thunderstorm Wind (G50)
			Large trees and branches were blown down.						
St. Louis County									
2 NW Eveleth	22	1422CST			0	0			Hail(1.75)
St. Louis County									
3 S Hibbing	22	1422CST			0	0			Hail(1.75)
			Golfball size hail was also reported 8 miles south of Hibbing at 2:25 pm CST.						
St. Louis County									
Hibbing	22	1425CST			0	0			Thunderstorm Wind (G60)
			Numerous trees were blown down.						
St. Louis County									
Cotton	22	1455CST			0	0			Hail(1.00)
Itasca County									
Warba	22	1510CST			0	0			Hail(1.00)
Itasca County									
8 SE Grand Rapids	22	1515CST			0	0			Thunderstorm Wind (G60)
			Numerous trees were blown down 6 miles southeast of Lake Pokegama and 3 miles southwest of Blackberry						
Itasca County									
Keewatin	22	1520CST			0	0			Thunderstorm Wind (G60)
			Several trees were blown down.						
Itasca County									
1 E Grand Rapids	22	1540CST			0	0			Thunderstorm Wind (G55)
			The high winds caused tree damage.						
St. Louis County									
8 NW Duluth	22	1717CST 1745CST			0	0			Thunderstorm Wind (G55)
			High thunderstorms winds blew several hundred trees down from Twig through Grand Lake.						
St. Louis County									
Proctor	22	1830CST			0	0			Hail(1.00)
			Three-quarter inch hail was also reported three miles south of Duluth.						
Itasca County									
Grand Rapids	22 23	1930CST 0000CST			0	0			Flash Flood
St. Louis County									
Virginia	22 23	1930CST 0000CST			0	0			Flash Flood
			Numerous roads across the Iron Range were washed out due to very heavy rain of 5 to 8 inches.						
St. Louis County									
Hibbing	22 24	1935CST 1935CST			0	0			Hail(0.75)
MN037									
			Southern St. Louis / Carlton						
	23 28	1200CST 1130CST			0	0			Flood
			The Floodwood River at Floodwood rose to 20.3 feet (flood stage is 14.0 feet), flooding Sixth Avenue.						
MN037									
			Southern St. Louis / Carlton						
	24 27	0500CST 1145CST			0	0			Flood
			The St. Louis River at Scanlon crested at 11.8 feet, 1.3 feet above flood stage, causing minimal damage.						
Cass County									
3 S Walker	24	2200CST			0	0			Thunderstorm Wind (G50)
			Numerous trees were blown down.						

Storm Data and Unusual Weather Phenomena

June 2002

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

MNZ037	Southern St. Louis / Carlton								
	25	1103CST			0	0			Flood
	27	0930CST							Minor flooding of the Fon du Lac neighborhood of Duluth was due to water being released from the Thomson Dam, located upstream. At the peak of the event, releases from the dam were 26,258 cfs.
Koochiching County									
Big Falls	25	1554CST			0	0			Hail(0.75)
Pine County									
1 SW Hinckley	25	1707CST			0	0			Hail(1.00)
		1720CST							
Pine County									
5 E Beroun	25	1800CST			0	0			Hail(1.00)
									Nickel size hail was reported in Beroun at 5:56 pm CST.
Carlton County									
Cloquet	26	0430CST			0	0	500K		Lightning
									Lightning started a fire at an auto body shop, which destroyed the business.

MINNESOTA, Northwest

Norman County									
3 N Ada	08	2315CST			0	0			Thunderstorm Wind (G65)
									A 75 mph wind gust was reported, which caused some roof damage.
Mahnomen County									
5 E Waubun	09	0040CST			0	0			Hail(0.75)
Becker County									
3 NW Ogema	09	0100CST			0	0			Hail(0.75)
Norman County									
9 NE Ada	09	0225CST			0	0	3K		Thunderstorm Wind (G70)
									Trees were blown down and a window was blown out.
Norman County									
Ada	09	0244CST			0	0	3K		Thunderstorm Wind
									Trees were blown down in Ada.
Norman County									
6 E Ada	09	0300CST	0.2	25	0	0	20K		Tornado (F1)
									A roof was torn off a farm building and scattered in nearby trees.
Norman County									
Gary	09	0300CST			0	0	20K		Thunderstorm Wind
									A church steeple was blown off.
Mahnomen County									
4 N Mahnomen	09	0315CST			0	0	10K		Thunderstorm Wind (G70)
									Windows were broken and a shed door was torn off.
Clay County									
3 NE Ulen	09	0330CST			0	0			Hail(1.75)
Clay County									
3 NE Ulen	09	0330CST			0	0	2K		Thunderstorm Wind
									12 inch diameter tree limbs were blown down.
Mahnomen County									
3 S Mahnomen	09	0330CST			0	0	50K		Thunderstorm Wind
									One airplane hanger was destroyed as well as the airplane inside. Another hanger was severely damaged.
Norman County									
Twin Vly	09	0330CST			0	0	100K		Thunderstorm Wind
									Steel power transmission poles were blown down.

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>MINNESOTA, Northwest</u>									
Red Lake County									
Red Lake Falls	09	0338CST			0	0	100K		Lightning Lightning hit the county courthouse, which also houses the sheriff's department. The department's computers, phone lines, and 911 system were damaged.
Becker County									
6 W Ogema	09	0400CST			0	0	0.20K		Thunderstorm Wind Large branches were blown down.
Norman County									
6 SE Twin Vly	09	0404CST			0	0			Hail(0.75)
Clay County									
4 E Ulen	09	0415CST			0	0			Hail(0.75)
Polk County									
Crookston	09	0430CST			0	0			Lightning A lightning strike knocked out the Polk county 911 system.
Red Lake County									
Red Lake Falls	09	0430CST 0630CST			0	0			Flash Flood Roads were washed out by the heavy rains.
Mahnomen County									
Bejou	09	0454CST			0	0	1K		Thunderstorm Wind Trees were blown down.
Clay County									
3 E Ulen	09	0500CST			0	0			Hail(0.75)
Clay County									
3 E Ulen	09	0500CST			0	0	0.20K		Thunderstorm Wind Tree limbs were blown down.
Mahnomen County									
5 W Mahnomen	09	0500CST 1000CST			0	0			Flash Flood Highway 200 was flooded by water. Travel in Mahnomen county was not advised, as many other county roads were washed out. Many basements flooded and farm fields were submerged.
Norman County									
3 SW Flom	09	0500CST			0	0			Hail(1.75)
Norman County									
5 W Syre	09	0505CST 0905CST			0	0			Flash Flood Highway 113 was flooded by rising water.
Mahnomen County									
Mahnomen	09	0507CST			0	0			Thunderstorm Wind (G58)^M A MN DOT RWIS site measured a 67 mph wind gust.
Mahnomen County									
5 W Waubun	09	0530CST			0	0			Hail(1.75)
Polk County									
5 E Crookston	09	0530CST 0730CST			0	0			Flash Flood U.S. Highway 2 was covered with water.
Polk County									
Fosston	09	0530CST 0930CST			0	0			Flash Flood County roads were washed out.
Becker County									
3 W Ogema	09	0600CST			0	0			Hail(0.75)

Storm Data and Unusual Weather Phenomena

June 2002

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

Becker County

5 W Ogema 09 0600CST 0 0 **Hail(1.50)**

Norman County

3 SW Flom 09 0645CST
0845CST 0 0 **Flash Flood**

County road 3 was washed out by the heavy rain. Travel was not advised across Norman county, due to the large numbers of roads washed out. Basements flooded and many fields were submerged.

Becker County

4 W Ogema 09 0700CST
1100CST 0 0 **Flash Flood**

Several county roads were washed out.

Clay County

Moorhead 09 0700CST
1100CST 0 0 **Flash Flood**

Interstate 94 was flooded at mile point 2. Many streets in the Village Green area were flooded and some were closed by high water levels.

Clay County

Ulen 09 0700CST
0900CST 0 0 **Flash Flood**

County roads were flooded by the heavy rain.

Clearwater County

3 E Zerkel 09 0715CST 0 0 **Hail(0.75)**

Clearwater County

3 E Zerkel 09 0715CST 0 0 **Lightning**

Damage to a home was reported from a lightning strike.

Beltrami County

7 W Jelle 09 0720CST 0 0 0.10K **Thunderstorm Wind**

Tree limbs were blown down.

Hubbard County

2 NW Becida 09 0730CST 0 0 0.10K **Thunderstorm Wind**

Tree limbs were blown down by the wind.

Becker County

9 N Ponsford 09 0755CST 0 0 **Hail(0.88)**

Clearwater County

1 ESE Lake Itasca 09 0815CST 0 0 **Hail(0.75)**

Clearwater County

Zerkel 09 1000CST
1100CST 0 0 **Flash Flood**

Water covered highway 200.

Pennington County

Thief River Falls 09 1200CST
1400CST 0 0 **Flash Flood**

Many rural roads were under water.

Polk County

Crookston 09 1200CST
1400CST 0 0 **Flash Flood**

Numerous county roads were under water.

Polk County

7 NNE East Grand Forks 09 1246CST 0 0 **Hail(0.75)**

Red Lake County

Red Lake Falls 09 1340CST
1540CST 0 0 **Flash Flood**

Numerous rural roads were under water.

Storm Data and Unusual Weather Phenomena

June 2002

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

MINNESOTA, Northwest

Marshall County

Newfolden	09	1500CST 1800CST			0	0			Flash Flood
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Street flooding was reported.

Pennington County

Erie	09	1500CST 1900CST			0	0			Flash Flood
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Several county roads were under 1 to 2 feet of water.

Red Lake County

Plummer	09	1500CST 1800CST			0	0			Flash Flood
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The intersection of county road 1 and highway 59 was under water.

Lake Of The Woods County

15 S Baudette	09	1911CST			0	0			Hail(1.00)
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Lake Of The Woods County

Clementson	09	1923CST			0	0			Hail(0.75)
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Lake Of The Woods County

Baudette	09	2205CST 2305CST			0	0			Flash Flood
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County roads 65, 66, and 3 were washed out in spots.

MNZ002

Norman

09 30	0700CST 2359CST				0	0	3M	36M	Flood
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Heavy rainfall on the 8th and 9th caused widespread flooding over Norman county. Unofficial reports of up to 12 inches of rain were received. This caused the Wild Rice River at Twin Valley to rise to a level of 17.4 feet on the 9th. The Wild Rice River peaked at Hendrum on the 13th at 28.02 feet. At Shelly, the Marsh River rose to 24.92 feet on the 12th. Another round of heavy rain fell on the 22nd and 23rd, causing the rivers to surge once again. Once again, reports of 8 to 12 inches of rain were received. This time, the Wild Rice River at Twin Valley rose to 18.95 feet on the 24th, a new record stage. At Hendrum, the river rose back to 26.48 feet on the 28th. At Shelly, the Marsh River rose back to 24.37 feet on the 27th. Governor Ventura called out the National Guard to help in the county's flood fight. Ada, Twin Valley, and Hendrum had fought record flooding back in the spring of 1997 and summer flooding in 2000. The flooding was not only confined to the rivers, but thousands of acres of cropland were flooded due to overland flooding. An estimated 100,000 acres of crops were destroyed. 80 percent of the roads and bridges in the county sustained damage valued at \$1.7 million dollars. County watershed projects were also damaged, at a cost of around \$1 million dollars. The Heiberg Dam near Twin Valley was quickly eliminated, as the power of the river created a new channel around the dam. Norman county received a Presidential disaster declaration.

MNZ022

Mahnomen

09 30	0800CST 2359CST				0	0			Flood
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Heavy rainfall on the 8th and 9th caused flooding problems over Mahnomen county. Unofficial reports of 8 to 12 inches of rain were received. The heaviest amounts of rain fell over the southwest portion of the county, which led to more river flooding downstream of the city of Mahnomen. Even so, 100 homes in the city of Mahnomen had some basement flooding. Then, a second heavy rainfall on the 22nd and 23rd produced another round of widespread flooding. Once again, 6 to 12 inches of rain fell across the county. This time, as the heavy rain was centered over the county, damage was much more extensive. In the city of Mahnomen, 19 homes and 2 businesses were lost to flooding. Mahnomen's main employer, the Shooting Star Casino, was saved by a diking effort. One house on the south side of Mahnomen caught fire and burned. The only way out of the city of Mahnomen was on highway 59 to the south. An estimated 25 percent of the cropland in the county was flooded. The county sheriff also estimated that 90 percent of the homes in the county had flood damage in their basements or sewer backup. During the worst of the flooding, travel was not advised as many roads and bridges were damaged. Mahnomen county received a Presidential disaster declaration.

MNZ003

Clay

09 30	0900CST 2359CST				0	0			Flood
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Heavy rainfall on the 8th and 9th produced flooding over portions of northern Clay county. In the Ulen area, unofficial 10 inch rainfall reports were received. Many rural roads, bridges, and crops sustained water damage. A second round of heavy rainfall on the 22nd and 23rd brought more flooding problems to northern portions of the county. Therefore, the county received a Presidential disaster declaration.

Storm Data and Unusual Weather Phenomena

June 2002

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

MNZ027>028

West Becker - East Becker

09	1000CST				0	0	100K		Flood
30	2359CST								

Heavy rainfall on the 8th and 9th over northwest Becker county led to flooding problems. A second round of heavy rain on the 22nd and 23rd brought additional flooding to northern Becker county. Many roads, bridges, and fields across this area were damaged. An estimated \$100,000 in road damages occurred. The county received a Presidential disaster declaration.

**Lake Of The Woods
County**

Baudette

10	0920CST				0	0			Flash Flood
	1120CST								

Most of the streets in town were flooded and some washouts were reported.

Roseau County

Warroad

10	0930CST				0	0			Flash Flood
	1230CST								

County roads 12 and 2 were closed and water was reported over many more roads. The Warroad River flooded the southwest part of town and 60 people were evacuated on the afternoon of the 10th. Half the businesses in town closed due to water damage.

Kittson County

3 SW Northcote

10	1155CST				0	0			Hail(1.00)
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MNZ004

Kittson

10	1900CST				0	0	85K		Flood
30	2359CST								

Heavy rainfall on the 9th and 10th produced widespread flooding across Kittson county. Quite a bit of overland flooding also took place, with a lot of water coming out of the Roseau River basin into portions of the county. The Lake Bronson dam was continually monitored, to keep the rate of inflow from overtaking the dam. The NDAWN mesonet site at Hallock reported 5.25 inches of rain during this 2 day period. Kittson county received a Presidential disaster declaration.

MNZ005

Roseau

10	2100CST				0	0	200M		Flood
25	0100CST								

Heavy rainfall on the 9th and 10th produced a record flood on the Roseau River at Roseau. The NDAWN mesonet site near Roseau measured 4.32 inches of rain, but unofficial reports of 15 to 18 inches of rain were received. The official cooperative observer in Roseau reported 9.25 inches of rain for June and the official Warroad cooperative observer reported 13.79 inches. This caused the Roseau River to rise nearly 17 feet and reach a new record stage of 23.3 feet on the 12th. The city of Roseau struggled to protect against the rising river, but the levels got too high for the city dikes. The dikes broke, sending water throughout the city of 2500. The city retreated to try to save the local Polaris plant, hospital, and high school. Most people were evacuated to the town of Badger, 15 miles west of Roseau. It was estimated that 90 percent of the total cropland in the county was flooded. In the city of Roseau, businesses reported \$20 million in damages with the total city estimate being nearly \$120 million. The county estimated roughly \$11 million in damage to roads and bridges. Roseau county received a Presidential disaster declaration.

MNZ006

Lake Of The Woods

10	2200CST				0	2	500K		Flood
25	0100CST								

Heavy rainfall on the 9th and 10th of the month produced widespread flooding across Lake of the Woods county. The ASOS at Baudette reported 7.64 inches of rain during the two day period and an NWS cooperative observer station at Norris Camp reported 11.95 inches. There were unofficial reports of 15 inches of rain in portions of the county. The lake level of the Lake of the Woods was down prior to this rain event, so it was able to absorb most of the runoff easily, which many believed saved the area from greater damage. Highway 11 was closed due to high water between Warroad and Baudette. 200 homes reported some sort of water damage. Two men were injured when their pickup hit a road washout. The county received a Presidential disaster declaration.

MNZ009-017

North Beltrami - South Beltrami

11	0000CST				0	0			Flood
25	2359CST								

Heavy rainfall across Beltrami county on the 9th and 10th and again on the 22nd and 23rd produced areas of flooding. The area worst affected by the flooding was the northwest portion of the county, where highways 1 and 44 were damaged. Beltrami county received a Presidential disaster declaration.

MNZ001-015

West Polk - East Polk

11	0000CST				0	0			Flood
25	2359CST								

Heavy rainfall on the 9th and 10th and again on the 22nd and 23rd contributed to flooding over portions of Polk county. The NWS cooperative observer station at Crookston reported 6.55 inches of rain during the month and the observer at Fosston reported 11.56 inches. This rainfall all fell after the first week of the month. Polk county received a Presidential disaster declaration.

Storm Data and Unusual Weather Phenomena

June 2002

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

MINNESOTA, Northwest

Norman County

5 E Hendrum	11	2155CST			0	0	Hail(0.75)
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MN2013

Pennington

12	0000CST				0	0	Flood
30	2359CST						

Heavy rainfall on the 9th and 10th and again on the 22nd and 23rd led to flooding problems across Pennington county. Therefore, the county received a Presidential disaster declaration.

MN2014

Red Lake

12	0000CST				0	0	Flood
30	2359CST						

Red Lake county received heavy rainfall on the 9th and 10th and again on the 22nd and 23rd, which led to many flooding problems. The NWS cooperative observer station in Red Lake Falls reported 11.21 inches of rain for the month, all falling after the first week of the month. 7.54 inches of rain fell on the 9th and 10th, and led to the most problems. The county received a Presidential disaster declaration.

MN2007>008

West Marshall - East Marshall

12	0600CST				0	0	Flood
30	2359CST						

Heavy rainfall on the 9th and 10th and again on the 22nd and 23rd produced widespread flooding over portions of Marshall county. The Red River level at Oslo peaked three times during the course of the month, mainly due to water coming into its upstream tributaries. Near Grygla, water ran over highway 89 on both ends of town. 9 inches of rain fell on the 9th and 10th along the Moose River and isolated some residents who live along the river. Water ran over highway 54 north of Grygla and highway 89 was closed from 6 miles west of Grygla to Wannaska. Minor flooding occurred in Warren, as diking efforts kept most of the river flooding at bay. Marshall county received a Presidential disaster declaration.

Hubbard County

1 NE Park Rapids	19	1530CST 1533CST			0	0	Hail(1.00)
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Hubbard County

Dorset	19	1537CST			0	0	Hail(1.00)
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Hubbard County

2 NW Nevis	19	1545CST			0	0	Hail(1.75)
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Wilkin County

4 N Rothsay	19	1545CST	0.2	25	0	0	25K Tornado (F2)
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A brief tornado touchdown demolished a 76x296 foot roof on a turkey barn.

Wilkin County

9 SE Wolverton	19	1545CST 1550CST			0	0	Hail(1.00)
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Hubbard County

5 N Nevis	19	1550CST			0	0	Hail(0.88)
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Becker County

1 SW Cormorant	19	1630CST			0	0	0.10K Thunderstorm Wind
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Several branches were blown down.

Norman County

2 E Ranum	19	1640CST			0	0	Hail(0.88)
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Mahnomen County

4 NW Bejou	19	1645CST			0	0	Hail(0.88)
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Polk County

5 SW Fosston	19	1700CST			0	0	Hail(0.75)
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Hubbard County

4 W Laporte	19	1730CST			0	0	Hail(0.75)
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Hubbard County

5 NW Lake George	19	1815CST			0	0	25K Thunderstorm Wind (G78)
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Microburst winds estimated as high as 90 mph blew trees and power lines down near Lake Alice. Boats and docks were also tossed around by the waves.

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<u>MINNESOTA, Northwest</u>									
Kittson County									
15 W Kennedy	22	0705CST			0	0			Hail(1.00)
Marshall County									
Stephen	22	0735CST			0	0			Hail(1.75)
Kittson County									
.5 E Donaldson	22	0738CST			0	0			Hail(1.00)
Norman County									
Wheatville	22	1030CST			0	0			Hail(1.00)
Clearwater County									
Alida	22	1410CST			0	0			Hail(1.00)
Beltrami County									
3 SW Bemidji	22	1420CST			0	0			Hail(1.25)
Hubbard County									
1.5 NW Nary	22	1420CST			0	0			Hail(1.00)
Beltrami County									
Bemidji	22	1430CST			0	0			Hail(1.75)
Hubbard County									
1 SW Farris	22	1437CST			0	0			Hail(0.75)
Clearwater County									
Clearbrook	22	1500CST 1900CST			0	0	350K		Flash Flood
									Water flowed over streets and roads as 7 to 11 inches of rain fell. Most of the road damage occurred along Silver Creek. The city park and 3 homes were also flooded. Several roads were washed out in Itasca State Park.
Lake Of The Woods County									
5 S Arnesen	22	1945CST 2145CST			0	0			Flash Flood
									County roads 55 and 241 were under water.
Norman County									
6 E Twin Vly	22 23	2115CST 0215CST			0	0			Flash Flood
									Water flowed over county road 31 and no travel was advised throughout the county.
Clay County									
4 N Ulen	22	2200CST 2359CST			0	0			Flash Flood
									Roads were washed out.
Mahnomen County									
Mahnomen	22	2200CST 2359CST			0	0			Flash Flood
									Citywide flooding was reported and no travel was advised throughout the county
Mahnomen County									
Waubun	22	2200CST 2359CST			0	0			Flash Flood
									Citywide flooding was reported.
Becker County									
Ogema	22 23	2300CST 0100CST			0	0			Flash Flood
									Water flowed over highway 59 and basement flooding was reported.
Becker County									
10 N Osage	22 23	2300CST 0100CST			0	0			Flash Flood
									Numerous county roads were washed out.

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<u>MINNESOTA, Northwest</u>									
Hubbard County									
4 NE Nary	22 23	2300CST 0100CST			0	0			Flash Flood
			Washed out roads were reported.						
Hubbard County									
Park Rapids	22 23	2300CST 0100CST			0	0			Flash Flood
			Street flooding was reported.						
Beltrami County									
2 N Bemidji	23	0100CST 0300CST			0	0			Flash Flood
			Water was backing up into homes.						
MNZ002-024									
		Norman - Hubbard							
	23 24	0700CST 2359CST			0	0			Flood
			Water was flowing over highway 9.						
Clay County									
Rollag	23	2300CST			0	0			Hail(0.75)
Becker County									
Detroit Lakes	23	2325CST			0	0			Hail(1.25)
Becker County									
5 NE Rochert	23	2345CST			0	0	0.20K		Thunderstorm Wind
			Tree limbs were blown down.						
Hubbard County									
3 N Akeley	24	2122CST	0.2	25	0	0			Tornado (F0)
			A brief touchdown blew over several trees.						
Hubbard County									
3 E Akeley	24	2130CST	0.2	35	0	1	250K		Tornado (F1)
			8 trees were uprooted and 3 recreational vehicles were demolished by falling trees. One man received a bruise on his head.						
Polk County									
6 W Eldred	25	1440CST			0	0			Hail(1.00)
Polk County									
2 S Crookston	25	1458CST 1500CST			0	0			Hail(0.75)
Polk County									
9 SE Euclid	25	1535CST			0	0			Hail(1.00)
Red Lake County									
2 E Red Lake Falls	25	1550CST			0	0			Hail(0.75)
Clearwater County									
4 E Berner	25	1701CST			0	0			Hail(0.75)
Beltrami County									
7 W Kelliher	25	1730CST			0	0			Hail(1.50)
<u>MINNESOTA, Southeast</u>									
Olmsted County									
Rochester	04	0015CST			0	0	4.5K		Hail(1.00)
Olmsted County									
10 NE Rochester	04	0020CST			0	0	2K		Hail(1.00)
			Personnel at KTTC-TV in Rochester, as well as the general public, reported hail the size of dimes and quarters.						
Wabasha County									
3 S Lake City	10	2356CST			0	0			Hail(0.75)

Storm Data and Unusual Weather Phenomena

June 2002

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

Wabasha County

1 N Zumbro Falls	11	0015CST			0	0			Hail(0.75)
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Dime size hail was reported by the public and law enforcement officials.

Olmsted County

Countywide	11	0300CST 0430CST			0	0	3.5K	10K	Flash Flood
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Rainfall amounts of 3 to 5 inches in 1 to 2 hours triggered flash flooding during the early morning hours. The driver of a van had to be rescued when their vehicle stalled in two feet of water covering Highway 52 south of Rochester. The heavy rain also caused culverts to become plugged with debris on the northwest side of Rochester.

Olmsted County

Rochester	26	0040CST			0	0	3.5K		Lightning
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Lightning struck the roof of an apartment building, causing a fire.

Fillmore County

2 W Mabel	26	1205CST			0	0			Funnel Cloud
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MINNESOTA, Southwest

Cottonwood County

Westbrook	02	2200CST			0	0	5K		Lightning
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Lightning damaged electronic equipment at a grain elevator, and stripped a large part of the bark from a tree.

Pipestone County

Pipestone to 2 S Pipestone	02 03	2320CST 0030CST			0	0			Flash Flood
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Heavy rain caused flooding of county roads and lowlands in the Pipestone area.

Nobles County

2 S Lismore	07	1500CST			0	0			Hail(0.75)
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Nobles County

2 SW Wilmont	07	1507CST			0	0			Thunderstorm Wind (G61)
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Nobles County

3 E Wilmont	07	1509CST			0	0			Hail(0.75)
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Nobles County

3 E Wilmont	07	1509CST			0	0			Thunderstorm Wind (G52)
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Cottonwood County

8 S Storden	07	1520CST			0	0			Hail(1.00)
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Nobles County

4 SW Kinbrae	07	1530CST			0	0			Hail(0.88)
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Nobles County

4 SW Kinbrae	07	1530CST			0	0			Thunderstorm Wind (G51)
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Thunderstorm winds blew down tree branches.

Nobles County

Worthington Arpt	07	1635CST			0	0			Thunderstorm Wind (G52) ^M
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Jackson County

2 S Jackson	18	0430CST			0	0			Hail(1.00)
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Jackson County

Alpha	18	0440CST			0	0			Hail(1.00)
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Large hail caused light to moderate crop damage. The amount of damage could not be assessed yet.

Lyon County

Minneota	21	1255CST			0	0			Hail(0.75)
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Lyon County

4 E Minneota	21	1309CST			0	0			Hail(0.75)
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Storm Data and Unusual Weather Phenomena

June 2002

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

Lyon County

3 NE Minneota	21	1350CST 1500CST			0	0			Flash Flood
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Heavy rain caused flooding of several township roads.

MINNESOTA, West

NONE REPORTED.

MINNESOTA, West Central

Traverse County

2 NW Wheaton	19	1701CST			0	0			Hail(0.75)
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Big Stone County

10 N Correll	19	1732CST			0	0			Hail(0.75)
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Big Stone County

5 S Artichoke	19	1737CST			0	0			Hail(1.75)
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Traverse County

Browns Vly	25	1658CST			0	0			Hail(1.00)
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Traverse County

Browns Vly	25	1732CST			0	0			Hail(0.75)
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Big Stone County

2 W Beardsley	25	1733CST			0	0			Hail(0.75)
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Big Stone County

Ortonville	25	1800CST			0	0			Hail(1.00)
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MISSISSIPPI, Central

Hinds County

Raymond to Edwards	04	2145CST			0	0	1K		Thunderstorm Wind
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Numerous large limbs were blown down between Edwards and Raymond. Debris had to be removed from the road.

Marion County

Columbia	19	1519CST			0	0	1K		Thunderstorm Wind
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A large tree was blown down near the Sheriff's Office, resulting in damage to a chain link fence.

Claiborne County

6 NE Port Gibson	19	1615CST			0	0	1K		Thunderstorm Wind
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Numerous large limbs were blown down around the area.

Simpson County

3 NW D Lo	19	1925CST			0	0	1K		Thunderstorm Wind
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Several trees were blown down across Cado Road.

Rankin County

11 E Piney Woods	19	1928CST			0	0	1K		Thunderstorm Wind
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Several trees were blown down across St. John's Road.

Rankin County

4 W Florence	19	1955CST			0	0	1K		Thunderstorm Wind
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Several trees were blown down over Florence-Byram Road.

Hinds County

Byram	19	2020CST			0	0	1K		Thunderstorm Wind
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One tree and one powerpole was blown down in the city.

Storm Data and Unusual Weather Phenomena

June 2002

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

Lawrence County

Countywide	20	1830CST			0	0	2K		Thunderstorm Wind
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Several trees and powerlines were blown down across the county.

Lincoln County

Brookhaven	20	1850CST			0	0	7K		Thunderstorm Wind
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Several powerpoles and 4 trees were blown down in the city. In addition, 2 vehicles were totaled

Yazoo County

5 N Bentonla	20	1850CST			0	0	2.5K		Thunderstorm Wind
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Numerous trees and 6 powerpoles were blown down in the area.

Simpson County

4 SW D Lo	27	1120CST			0	0	10K		Thunderstorm Wind
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A National Weather Service cooperative observer reported that numerous trees were blown down. A shed and awning were also destroyed.

MISSISSIPPI, North

Alcorn County

1 S Corinth	13	1345CST 1350CST			0	0	2K		Thunderstorm Wind
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A barn had its roof blown off.

Calhoun County

Pittsboro	24	1530CST 1535CST			0	0	0.01K		Hail(0.75)
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Lee County

Plantersville	30	1245CST 1250CST			0	0	1K		Thunderstorm Wind
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Many large tree limbs were blown down.

Chickasaw County

Okolona	30	2100CST 2105CST			0	0	1K		Thunderstorm Wind
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Several large tree limbs were knocked down.

MISSISSIPPI, South

Jackson County

Pascagoula to Moss Pt	20	1300CST 1600CST			0	0			Urban/Sml Stream Fld
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Two to four inches of rain fell in a short period of time causing considerable street flooding in the Pascagoula and Moss Point areas.

Amite County

10 SW Liberty	25	1615CST 1630CST			0	0	5K		Thunderstorm Wind
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Several trees were blown down in the southwest portion of Amite County.

MISSISSIPPI, Southeast

NONE REPORTED.

MISSOURI, East

MOZ027-050-063>064-072>075 Marion - Callaway - St. Louis - St. Louis (C) - Crawford - Washington - St. Francois - Ste. Genevieve

01 04	1100CST 2300CST				0	14			Excessive Heat
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Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>MISSOURI, East</u>									
An early season heat wave resulted in 14 heat related injuries, as reported by the State Department of Health and Senior Services. High temperatures across the area were in the upper 80's to lower 90's with average daily temperatures about 10 to 15 degrees above normal.									
Boone County									
Hallsville	04	1525CST			0	0			Hail(0.75)
			The County Sheriff Department reported 3/4 inch hail.						
Callaway County									
Holts Summit	04	1610CST			0	0			Hail(0.75)
			Storm spotters reported 3/4 inch hail.						
Callaway County									
New Bloomfield	04	1610CST			0	0			Thunderstorm Wind (G55)
			Storm spotters reported power lines and large tree limbs down.						
Callaway County									
Mokane	04	1620CST			0	0			Hail(1.00)
			Storm spotters reported 1 inch hail.						
Lincoln County									
3 NE Silex	04	1658CST			0	0			Hail(0.88)
			Storm spotters reported nickel size hail.						
Franklin County									
Washington	04	2230CST			0	0			Lightning
Franklin County									
Washington	04	2230CST			0	0			Thunderstorm Wind (G55)
			Thunderstorm wind gusts downed trees and some power lines in Washington. A house suffered considerable damage from a fire that was started when lightning apparently struck the television antenna.						
Ralls County									
Perry	11	1325CST			0	0			Hail(0.88)
Ralls County									
Perry	11	1325CST			0	0			Thunderstorm Wind (G55)
			Storm spotters reported nickel size hail and large tree limbs down.						
St. Louis County									
Overland	11	1500CST			0	0			Thunderstorm Wind (G55)
			Thunderstorm wind gusts damaged the pump shelter at a gas station. Some trees and power lines were also downed in the area. The local power company reported about 40,000 customers lost power.						
St. Charles County									
St Charles	11	1515CST			0	0			Thunderstorm Wind (G52)
			The public reported trees down on the northwest side of St. Charles.						
St. Louis (C)									
St Louis	11	1535CST			0	0			Thunderstorm Wind (G55)
			Thunderstorm wind gusts downed trees at the Gravois and Skinker intersection and at Gravois and Walsh.						
Pike County									
3 NW Bowling Green	11	1550CST			0	0			Thunderstorm Wind (G60)
			The County Sheriff reported trees and power lines down.						
Callaway County									
Fulton	11	1730CST			0	0			Thunderstorm Wind (G55)
			Thunderstorm winds downed some power lines near Route HH.						
Lincoln County									
Troy	11	1830CST			0	0			Thunderstorm Wind (G52)
			Thunderstorm winds downed large tree limbs and power lines in Troy.						
Franklin County									
New Haven	11	1915CST			0	0			Thunderstorm Wind (G52)
			Thunderstorm winds downed some power lines near Highway C and 100.						

Storm Data and Unusual Weather Phenomena

June 2002

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

MISSOURI, East

Montgomery County

North Portion	11	2200CST			0	1	Flash Flood
	12	0300CST					

Heavy rain flooded numerous roads across the north part of Montgomery County. One car was swept off of Route W four miles south of Vandalia. A woman suffered minor injuries.

St. Louis County

Fenton	24	1600CST			1	0	Lightning
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A 44 year old man was struck by lightning at Fenton Park while preparing for a softball game. He fell into a coma and died on July 27, 2002.
M44OU

MOZ064

St. Louis (C)	25	1500CST			1	0	Excessive Heat
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A 79 year old woman was found dead in her home from heat related causes. The home had an air conditioner and a fan but neither was turned on. The high temperature the previous days had been in the lower 90s.
F79PH

Jefferson County

Hillsboro	25	1900CST 2300CST			0	0	Flash Flood
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Heavy rain flooded several roads in the Hillsboro area. The intersection of routes Y and C was flooded and closed. Several other county roads in the area were flooded and impassable.

MOZ063

St. Louis	29	1500CST			1	0	Excessive Heat
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A 73 year old woman died of hyperthermia in her home in Robertson. The home had no air conditioning, there were no fans and all windows were closed. The woman's pet dog was also found dead.
F73PH

MOZ063

St. Louis	29	1700CST			1	0	Excessive Heat
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A 73 year old woman was found dead in her home. The coroner listed heat as a contributing cause of death.
F73PH

MISSOURI, Lower

NONE REPORTED.

MISSOURI, Northeast

Clark County

1 N Chambersburg	13	0300CST 0600CST			0	0	Flash Flood
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County road north of Chambersburg washed out.

Scotland County

Memphis	13	0300CST 0530CST			0	0	Flash Flood
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Water up to 6 inches deep covered several city streets.

Scotland County

Prospect Grove	13	0400CST 0700CST			0	0	Flash Flood
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A home was inundated with water.

Clark County

2 W St Patrick	13	0500CST 0700CST			0	0	Flash Flood
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County road north of St. Patrick impassable in spots due to flood water debris.

A nearly stationary front, combined with abundant moisture and a strong upper level storm system to produce scattered thunderstorms Wednesday evening. A few reports of pea size hail and gusty winds were received. The thunderstorms continued

Storm Data and Unusual Weather Phenomena

June 2002

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

into Thursday morning. The threat shifted to heavy rain and flash flooding, as thunderstorms continuously developed over some of the same areas. A trained spotter in Athens in Clark County measured 3 inches of rain in just 1 hour. Storm total rainfall generally ranged from 2 to 5 inches across Clark and Scotland Counties. Just 48 hours earlier some of the same areas received anywhere from 1 to 3 inches of rain. As a result, much of the heavy rain went into runoff resulting in fairly widespread flash flooding.

MISSOURI, Northwest

Platte County Parkville	11	1005CST			0	0			Hail(1.50)
Carroll County 4 E Carrollton	11	1435CST			0	0			Thunderstorm Wind (G52)
Saline County Miami	11	1500CST			0	0			Thunderstorm Wind (G52)
Platte County Bean Lake	11	1848CST			0	0	100K		Thunderstorm Wind (G61)
Several buildings had severe roof damage.									
Holt County 7 E Mound City	11	1910CST			0	0			Hail(0.75)
Platte County Bean Lake	11	1919CST			0	0			Thunderstorm Wind (G52)
Several trees downed by thunderstorm winds.									
Clay County Kearney	11	2000CST			0	0			Hail(0.75)
Clay County Kearney	11	2000CST			0	0			Thunderstorm Wind (G52)
MOZ031-039>040-046	Carroll - Saline - Howard - Cooper								
	12	0100CST			0	0			Flood
	14	0400CST							
Heavy rains on June 12th, caused minor to moderate flooding on the Moniteau creek near Fayette, Wakenda Creek in Carrollton, Petite Saline Creek near Boonville, and the Blackwater River near Blue Lick.									
Nodaway County 1 W Hopkins	12	1830CST			0	0	5K		Thunderstorm Wind (G61)
Several trees uprooted and there was minor roof damage reported.									
Worth County Sheridan	12	1852CST			0	0			Hail(0.75)
Andrew County Savannah	18	0455CST			0	0			Hail(0.75)
Andrew County Cosby	18	0539CST			0	0			Hail(1.00)
De Kalb County Clarksdale	18	0539CST			0	0			Hail(0.75)
Nodaway County Hopkins	26	1342CST			0	0			Hail(1.00)
Worth County Sheridan	26	1405CST			0	0			Hail(0.75)
Several trees reported down.									
Daviess County Jameson	26	1440CST			0	0			Thunderstorm Wind (G57)
Holt County Maitland	26	1455CST			0	0			Hail(0.75)

Storm Data and Unusual Weather Phenomena

June 2002

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

Daviess County

Gallatin	26	1500CST			0	0			Thunderstorm Wind (G57)
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Six inch tree limbs down.

Daviess County

6 SE Winston	26	1510CST			0	0			Thunderstorm Wind (G57)
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Large tree down at Highway O and 170.

Holt County

Oregon	26	1515CST			0	0			Hail(0.75)
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De Kalb County

Osborn	26	1520CST			0	0			Thunderstorm Wind (G57)
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Holt County

7 N Oregon	26	1520CST			0	0			Thunderstorm Wind (G52)
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Andrew County

1 W Fillmore	26	1536CST			0	0			Thunderstorm Wind (G52)
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Atchison County

Rockport	26	1645CST			0	0			Hail(0.75)
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Clay County

Kearney	26	1650CST			0	0			Hail(1.00)
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Clay County

2 W Birmingham	26	1710CST			0	0			Thunderstorm Wind (G52)
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Clay County

Liberty	26	1710CST			0	0			Thunderstorm Wind (G52)
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Jackson County

Kansas City	26	1724CST			0	0			Hail(0.88)
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Jackson County

4 S Kansas City Downtown	26	1730CST			0	0			Thunderstorm Wind (G61)
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Jackson County

5 S Kansas City Downtown	26	1733CST			0	0			Hail(0.75)
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MISSOURI, Southeast

MOZ076-087-111>112-114 Perry - Cape Girardeau - Scott - Mississippi - New Madrid

01		0001CST			0	0			Flood
		1800CST							

The Mississippi River fell below flood stage for the first time since early May.

MOZ087

Cape Girardeau

15		0800CST			0	0	5K		Flood
		1800CST							

The Mississippi River rose slightly above flood stage at Cape Girardeau for a few days. The crest was less than one foot above flood stage, which resulted in few problems. Minor flooding of agricultural bottomland and low-lying areas near the river occurred

Perry County

Perryville	27	1523CST			0	0	12K		Thunderstorm Wind (G52)
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Winds estimated near 60 MPH blew out the showroom window of a car dealership on Highway 51. A nearby outbuilding was blown onto a pickup truck. Numerous large tree limbs were down throughout town.

MISSOURI, Southwest

Morgan County

5 N Stover	04	1522CST			0	0	0		Hail(0.88)
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Morgan County

Gravois Mills	04	1540CST			0	0	0		Hail(0.88)
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Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
MISSOURI, Southwest									
Lawrence County									
Mt Vernon	04	1745CST			0	0	5K		Thunderstorm Wind (G52)
	Numerous trees and power lines were blown down near Mount Vernon. Damage was confined to roofs and a street light.								
Maries County									
2 S Belle	11	1843CST			0	0	5K		Thunderstorm Wind (G62)
	A camper and a nearby vehicle were damaged as a large tree was blown down with estimated 70 mph winds. Another large tree caused a gas tank to unhook and damage a resident's home.								
Jasper County									
Carl Jct to Joplin	12	2113CST 2125CST			0	0	20K		Thunderstorm Wind (G52)
Newton County									
Seneca to Neosho	12	2124CST 2145CST			0	0	20K		Thunderstorm Wind (G62)
	70 mph straight line winds caused numerous trees and power lines to be blown down across southern Jasper and portions of northern Newton County from near Carl Junction, to Seneca and Neosho. It left thousands without power and the Joplin area, especially downtown Joplin where power wasn't restored until the following morning. A few places experienced property damage as cars were hit by falling tree limbs. Several areas around Neosho were blocked by fallen trees and debris from the flooding and high winds.								
Jasper County									
Joplin	12 13	2223CST 0000CST			0	0	0		Flash Flood
Newton County									
Neosho	12 13	2241CST 0200CST			0	0	0		Flash Flood
Morgan County									
Versailles	12 13	2249CST 0100CST			0	0	0		Flash Flood
	A complex of thunderstorms moved over southeast Kansas and portions of southern and central Missouri during the late evening and early morning hours of June 12th and 13th. Doppler radar estimated between two and three and a half inches of rain fell during a three hour period. Several low water crossings were flooded and impassable near Joplin, Neosho, and Versailles. Some areas in Joplin had over one foot of water flowing over the roadway. The worst flooding in Neosho was at the intersection of Highways 59 and J. Also Highway W north of Versailles was flooded for a period of time.								
MOZ088									
Jasper	13	0000CST 0200CST			0	0	0		Flood
	Flooded low water crossings continued over portions of Jasper County due to the excessive runoff from late evening thunderstorms from June 12th.								
Barry County									
16 NE Cassville	13	1545CST			0	0	0		Thunderstorm Wind (G52)
	Large trees were blown down northeast of Cassville.								
Stone County									
Kimberling City	13	1705CST			0	0	0		Hail(0.75)
Howell County									
Southwest Portion	13	1740CST 2200CST			0	0	0		Flash Flood
Ozark County									
Southeast Portion	13	1740CST 2200CST			0	0	5K		Flash Flood
	Doppler radar estimated between three and four inches of rain fell between Bakersfield, Tecumseh, and Caulfield in two hours. The flood water caused several homes in the Bakersfield area to flood. Also the intersection of Highway O & 101 was impassable for several hours near Bakersfield. In Howell County, several low water crossings in the southwest part of the county were flooded and impassable for several hours.								
Oregon County									
Alton to 10 W Alton	24	2210CST 2220CST			0	0	10K		Thunderstorm Wind (G55)
	Two barns sustained damage near Alton with numerous trees downed from Alton to Rover and Thomasville.								

Storm Data and Unusual Weather Phenomena

June 2002

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

Glacier County

West Portion	06 30	0600MST 0600MST			0	0			Flood
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Badger Creek began to rise above flood stage on June 6th, due to snow melt over the Rockies. A strong storm then moved over the area on June 10th. This storm brought between 4 and 6 inches of rain to the plains, and 3 to 6 feet of snow in the mountains. Badger Creek remained out of its bank until June 30th. The river crested at 8.8 feet on June 18th.

MTZ009-048

North Rocky Mountain Front - Southern Rocky Mountain Front

08 10	0600MST 2200MST			0	0	3.2M		Winter Storm
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A major late season winter storm affected much of the Rocky Mountain Front from June 8th to June 10th. The snow began to fall at higher elevations on Friday evening, with rain at the lower elevations. By Saturday morning, heavy snow was falling across the entire Rocky Mountain Front. The snow was heavy at times throughout Saturday. On Saturday night, blizzard conditions were experienced over the Northern Rocky Mountain Front. The snow began to diminish in intensity on Monday evening. By then, snow accumulations ranged from 3 to 4 feet over the Plains, to 5 to 7 feet above 5000 feet.

This snow had a very high moisture content, which caused 301 power poles to break, 232 power pole cross arms to snap off, 521 splices, and over 30 miles of destroyed power lines. The power was out to over 2,500 customers, some for several days. Roads were closed over the entire Rocky Mountain Front region for 2 days. The deep snow cover resulted in the loss of over 3,200 livestock.

MTZ012

Cascade

10	0200MST 1600MST			0	0			Winter Storm
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Heavy snow began to fall over the Little and Big Belt Mountains early on the 10th. The snow was heavy at times during the mid morning hours. By evening, snow accumulations ranged from 6 to 10 inches from the foothills to the mountains.

Toole County

Shelby	10 13	0600MST 1600MST			0	0			Flood
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The Marias River began to rise on June 5th, due to snow melt over southern Canada. A strong storm then moved over the area on June 10th. This storm brought between 3 and 5 inches of rain to the area. The Marias River flooded near the golf course, and remained out of its bank until June 13th. The river crested at 12.4 feet on June 11th.

Cascade County

Countywide	10 11	0700MST 0400MST			0	0			Flood
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Flooding occurred over North Central Montana on June 10th. Between 2 and 5 inches of rain fell over the plains during the morning and early afternoon hours resulting in many rivers rising to bank full along with urban street flooding. The water began to recede below bank full early on the 11th.

Chouteau County

Countywide	10 11	0700MST 0400MST			0	0			Flood
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Flooding occurred over North Central Montana on June 10th. Between 2 and 5 inches of rain fell over the plains during the morning and early afternoon hours resulting in many rivers rising to bank full along with urban street flooding. The water began to recede below bank full early on the 11th.

Glacier County

Countywide	10 11	0700MST 0400MST			0	0			Flood
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Flooding occurred over North Central Montana on June 10th. Between 2 and 5 inches of rain fell over the plains during the morning and early afternoon hours resulting in many rivers rising to bank full along with urban street flooding. The water began to recede below bank full early on the 11th.

Lewis And Clark County

North Portion	10 11	0700MST 0400MST			0	0			Flood
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Flooding occurred over North Central Montana on June 10th. Between 2 and 5 inches of rain fell over the plains during the morning and early afternoon hours resulting in many rivers rising to bank full along with urban street flooding. The water began to recede below bank full early on the 11th.

Pondera County

Countywide	10 11	0700MST 0400MST			0	0			Flood
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Flooding occurred over North Central Montana on June 10th. Between 2 and 5 inches of rain fell over the plains during the morning and early afternoon hours resulting in many rivers rising to bank full along with urban street flooding. The water began to recede below bank full early on the 11th.

Storm Data and Unusual Weather Phenomena

June 2002

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

Teton County

Countywide	10 11	0700MST 0400MST			0	0			Flood
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Flooding occurred over North Central Montana on June 10th. Between 2 and 5 inches of rain fell over the plains during the morning and early afternoon hours resulting in many rivers rising to bank full along with urban street flooding. The water began to recede below bank full early on the 11th.

Toole County

Countywide	10 11	0700MST 0400MST			0	0			Flood
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Flooding occurred over North Central Montana on June 10th. Between 2 and 5 inches of rain fell over the plains during the morning and early afternoon hours resulting in many rivers rising to bank full along with urban street flooding. The water began to recede below bank full early on the 11th.

Jefferson County

Boulder	21	1820MST			0	0			Hail(1.00)
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A severe thunderstorm produced 1.00 inch hail near Boulder.

Lewis And Clark County

Silver City	21	1852MST 1920MST			0	0			Thunderstorm Wind (G56) ^M
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A severe thunderstorm produced wind gusts between 60 and 65 mph at Silver City.

Jefferson County

Clancy	21	1910MST			0	0			Thunderstorm Wind (G52)
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A severe thunderstorm produced a 60 mph wind gust at Clancy 6N.

Cascade County

Cascade	21	1915MST			0	0			Thunderstorm Wind (G52)
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A severe thunderstorm produced a 60 mph wind gust at Cascade 20SE.

Jefferson County

Jefferson City	21	2030MST			0	0			Thunderstorm Wind (G52)
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A severe thunderstorm produced a 60 mph wind gust in Jefferson City.

Cascade County

Neihart	21	2030MST			0	0			Hail(0.75)
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A severe thunderstorm produced 0.75 inch hail between Monarch and Neihart.

Meagher County

White Sulphur Spgs	21	2100MST			0	0			Hail(0.75)
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A severe thunderstorm produced 0.75 inch hail over the far northeastern section of Meagher County.

Fergus County

Valentine	22	1445MST			0	0			Hail(1.00)
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A severe thunderstorm produced 1.00 inch hail at Valentine 12NE.

MTZ050

Judith Basin	27	0014MST			0	0			High Wind (G51) ^M
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A wind gust of 59 mph was recorded in Hobson.

Beaverhead County

Dillon	27	1323MST			0	0			Thunderstorm Wind (G56) ^M
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A severe thunderstorm produced a 64 mph wind gust at Dillon 35SW.

Pondera County

Conrad	27	1620MST 1640MST			0	0			Thunderstorm Wind (G56)
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A severe thunderstorm produced wind gusts between 60 and 65 mph in the Conrad area.

Lewis And Clark County

Lincoln	27	1655MST			0	0			Thunderstorm Wind (G52)
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A severe thunderstorm produced a 60 mph wind gust at Lincoln.

Cascade County

Cascade	27	1705MST			0	0			Thunderstorm Wind (G61) ^M
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A severe thunderstorm produced a 70 mph wind gust at Cascade 20SE. 2x4"s were lifted off the ground.

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>MONTANA, Central</u>									
Teton County									
Choteau	27	1815MST			0	0			Thunderstorm Wind (G52)
A severe thunderstorm produced a 60 mph wind gust at Choteau.									
Judith Basin County									
Raynesford	27	1830MST			0	0			Thunderstorm Wind (G52)
A severe thunderstorm produced a 60 mph wind gust at Raynesford 2N.									
Cascade County									
Great Falls	27	1835MST 1900MST			0	0			Thunderstorm Wind (G52)^M
A severe thunderstorm produced 60 mph wind gusts between Great Falls and Belt.									
Toole County									
Sunburst	27	1921MST			0	0			Hail(1.00)
A severe thunderstorm produced 1.00 inch hail at Sunburst 14SW.									
Hill County									
Rudyard	27	1955MST			0	0			Hail(1.00)
A severe thunderstorm produced 1.00 inch hail at Rudyard 16S.									
Blaine County									
Cleveland	27	2045MST			0	0			Thunderstorm Wind (G52)
A severe thunderstorm produced a 60 mph wind gust at Cleveland 12SE.									
Judith Basin County									
Hobson	28	1945MST 2000MST	1	50	0	0			Tornado (F0)
A severe thunderstorm moved across the far eastern portions of Judith Basin County and into the far western sections of Fergus county around 2000 MST. Wind gusts to near 70 mph were reported from Hobson to Hilger, with 60 mph winds recorded in Lewistown A tornado did touch down just west of Buffalo at approximately 2000 MST, and then moved northeast into central Fergus county. The tornado finally dissipated about 10 miles southeast of Moore. This tornado made several brief touchdowns, and was an F0. The longest tornado path on the ground was less than one half mile. Wind gusts between 60 and 70 mph were reported along the entire path. One shed was destroyed, and the remainder of the damage was limited to objects not secured down.									
Near 1930 MST, a small ultra-light plane was damaged while trying to land south of Lewistown. Wind gusts were estimated near 60 mph.									
Fergus County									
Moore	28	2000MST 2030MST	10	50	0	0			Tornado (F0)
A severe thunderstorm moved across the far eastern portions of Judith Basin County and into the far western sections of Fergus county around 2000 MST. Wind gusts to near 70 mph were reported from Hobson to Hilger, with 60 mph winds recorded in Lewistown A tornado did touch down just west of Buffalo at approximately 2000 MST, and then moved northeast into central Fergus county. The tornado finally dissipated about 10 miles southeast of Moore. This tornado made several brief touchdowns, and was an F0. The longest tornado path on the ground was less than one half mile. Wind gusts between 60 and 70 mph were reported along the entire path. One shed was destroyed, and the remainder of the damage was limited to objects not secured down.									
Near 1930 MST, a small ultra-light plane was damaged while trying to land south of Lewistown. Wind gusts were estimated near 60 mph.									
Judith Basin County									
Hobson	28	1945MST			0	0			Thunderstorm Wind (G57)^M
A severe thunderstorm produced a 66 mph wind gust in Hobson.									
Fergus County									
Hilger to Forestgrove	28	2030MST 2115MST			0	0			Thunderstorm Wind (G61)
A severe thunderstorm produced a 60 to 70 mph wind gust between Hilger and Forestgrove.									
MTZ053									
Broadwater	29	1000MST 1100MST			0	0			High Wind (G43)
A cold front moved through the Helena Valley during the late morning hours on the 29th. The winds were gusting to near 50 mph at the time of frontal passage. These gusty winds created waves up to 5 feet on Canyon Ferry Lake, where 14 boats capsized.									

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>MONTANA, Central</u>									
Gallatin County									
Bozeman	29	1215MST			0	0			Hail(1.00)
A severe thunderstorm produced 1.00 inch hail in Bozeman.									
Gallatin County									
Big Sky	29	1240MST			0	0			Hail(1.00)
A severe thunderstorm produced 1.00 inch hail near Big Sky.									
<u>MONTANA, East</u>									
McCone County									
11 W Circle	08	1557MST			0	0			Hail(1.25)
Prairie County									
Mildred	08	1600MST			0	0			Hail(2.75)
Dawson County									
10 S Lindsay	08	1635MST			0	0			Hail(0.75)
Prairie County									
Terry	08	1640MST			0	0			Hail(0.88)
Prairie County									
Terry	08	1640MST			0	0			Hail(2.00)
Prairie County									
6 N Mildred	08	1645MST			0	0			Hail(0.75)
Roosevelt County									
Wolf Pt	08	1645MST 1650MST			0	0	20K		Thunderstorm Wind (G66)
Wind gust to 78 mph downed 6 inch diameter trees in Wolf Point and blew down power lines. The wind also destroyed a shed in Wolf Point.									
Roosevelt County									
(Olif)Wolf Pt Int Arpt	08	1646MST			0	0			Thunderstorm Wind (G66) ^M
Prairie County									
6 N Mildred	08	1655MST			0	0			Hail(1.00)
Wibaux County									
7 S Wibaux	08	1700MST			0	0			Hail(1.75)
Roosevelt County									
6 E Poplar	08	1715MST			0	0			Thunderstorm Wind (G51) ^M
Wind gust to 59 mph at Poplar RAWS.									
Prairie County									
27 SSE Terry to 27 S Terry	08	1738MST			0	0			Hail(1.00)
Wibaux County									
Wibaux	08	1800MST 1930MST			0	0	30K		Flash Flood
Heavy rainfall associated with a severe thunderstorms dropped 2 to 3 inches of rainfall over the area. The bridge over Little Beaver Creek just northeast of Wibaux was damaged as rain washed away gravel near the bridge and left a gaping hole. Several area roads had water that ran across them, with one area over 100 feet wide and 8 to 12 inches deep.									
Wibaux County									
Wibaux	08	1800MST			0	0			Hail(1.00)
Wibaux County									
6 NW Wibaux	08	1825MST			0	0			Hail(1.00)
Wibaux County									
Wibaux	08	1825MST			0	0	100K		Hail(1.75)
Hail damaged several vehicles in Wibaux.									

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>MONTANA, East</u>									
Richland County Fairview	08	1830MST			0	0			Hail(0.75)
Richland County Fairview	08	1830MST			0	0			Thunderstorm Wind (G61) Estimated 70 mph wind gust at Fairview.
Richland County 3 S Fairview to Fairview	08	1915MST			0	0	25K		Thunderstorm Wind Severe thunderstorm winds hit south of Fairview and blew apart grain bins and structurally damaged several farm implement buildings.
Richland County Fairview	08	1915MST			0	0			Thunderstorm Wind (G50) 12 inch diameter trees downed at Fairview.
Phillips County 10 N Malta	16	1540MST			0	0			Hail(1.00)
McCone County 35 NW Circle	21	2200MST			0	0			Thunderstorm Wind (G52) 60 mph wind gust reported by spotter 18 miles southeast of Fort Peck.
Roosevelt County Poplar	21	2331MST			0	0			Hail(0.75)
Dawson County 10 NE Lindsay	22	0115MST			0	0			Hail(1.00)
Wibaux County Wibaux	22	0140MST 0150MST			0	0			Hail(0.75)
Roosevelt County 8 NE Culbertson	22	0300MST			0	0			Hail(1.00)
Garfield County 4 ENE Mosby	22	1310MST			0	0			Hail(0.75)
Petroleum County 15 SE Winnett	22	1330MST 1333MST	0.1	50	0	0			Tornado (F0) Brief tornado touch down reported by spotter 15 SE Winnett.
Valley County 4 SW Hinsdale	22	1411MST			0	0			Hail(1.00)
Phillips County 20 S Zortman	22	1443MST			0	0			Thunderstorm Wind (G61) 70 mph wind gust reported by motorist on US 191 just north of the Missouri River.
Garfield County 19 SW Sand Spgs	22	1500MST 1700MST			0	0	1K		Flash Flood Over 3 inches of rainfall fell in 1 hour, over an area that has been in a long term drought. The water ran off the fields and flooded pastures and tore out several fences throughout southwestern Garfield County. The total rainfall in this portion of the county was around 4.5" with the worst of the damage along the Sage Hen Creek drainage.
Phillips County 27 SSW Malta	22	1614MST			0	0			Hail(0.88)
Garfield County 25 SE Cohagen	22	1655MST			0	0			Hail(0.75)
Valley County 25 SW Ft Peck	22	1751MST			0	0			Thunderstorm Wind (G66) ^M 78 mph wind reported at King Coulee RAWS.

Storm Data and Unusual Weather Phenomena

June 2002

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

Garfield County

7 E Van Norman to
20 E Cohagen

22

2000MST
2200MST

0

0

100K

Flash Flood

3 to 9 inches of rain fell over eastern Garfield County in less than 5 hours. Flooding closed Highway 200 from Jordan to the junction of Highway 24 for most of the night and caused some damage along bridges on Highway 200.

Garfield County

15 NE Cohagen

23

0500MST
1630MST

0

0

50K

Flash Flood



Image of the Ross Dam #2 which collapsed on the morning of June 23, 2002 after a night of extremely heavy rainfall.

Heavy rainfall from the night of June 22, 2002 contributed to the failure of the Ross Dam #2 stock dam. Rainfall amounts up to 9 inches were reported in the drainage basin that flow into the dam. The dam was nearly empty prior to the heavy rain event, and then filled up three-quarters of the way to a series of holes which had been dug by animals. The water pushed through the holes, and caused the dam to then collapse. The subsequent deluge downstream flooded out the basement of a home, lifted several older vehicles and transported them downstream, and caused considerable damage to a culvert. The damage to the culvert lead to the U-ALL Road being washed out.

Garfield County

Jordan Arprt

23

1644MST

0

0

Thunderstorm Wind (G53)^M

62 mph wind gust recorded at the Jordan Airport.

Phillips County

15 S Content

28

2240MST

0

0

20K

Thunderstorm Wind (G52)^M

60 mph wind gust blew roof off barn 15 miles south of Content.

Phillips County

Zortman

29

1344MST

0

0

Thunderstorm Wind (G52)^M

60 mph wind gust reported at Zortman RAWS.

Petroleum County

20 N Winnett

29

1345MST

0

0

Thunderstorm Wind (G56)^M

65 mph wind gust reported at Dry Blood Creek RAWS.

Phillips County

20 S Zortman

29

1345MST

0

0

Thunderstorm Wind (G55)^M

64 mph wind gust reported at Manning Corral Dogtown RAWS.

Phillips County

Malta

29

1350MST

0

0

Thunderstorm Wind (G52)^M

60 mph wind gust reported at Malta handar site.

Phillips County

5 NE Saco

29

1420MST

0

0

Thunderstorm Wind (G50)^M

58 mph wind gust downed tree limbs 5 miles northeast of Saco.

Valley County

5 W Vandalia

29

1421MST

0

0

Thunderstorm Wind (G52)^M

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>MONTANA, East</u>									
60 mph wind gust reported 5 miles west of Vandalia.									
Valley County 5 W Ft Peck	29	1440MST 1450MST			0	0			Thunderstorm Wind (G52)^M
60 mph wind at Duck Creek Marina uprooted a tree that landed on a camper.									
Valley County Glasgow Intl Arpt	29	1440MST 1450MST			0	0			Thunderstorm Wind (G57)^M
66 mph wind at Glasgow downed 12 inch diameter tree limbs.									
Valley County 4 NW Tampico	29	1441MST			0	0			Thunderstorm Wind (G53)^M
61 mph wind reported 5 miles northwest of Tampico.									
Valley County 40 SW Glasgow	29	1451MST			0	0			Thunderstorm Wind (G58)^M
67 mph wind gust at King Coulee RAWS.									
Valley County 20 W Opheim	29	1451MST			0	0			Thunderstorm Wind (G55)^M
64 mph wind gust at Bluff Creek RAWS.									
Valley County Ft Peck	29	1455MST			0	0			Thunderstorm Wind (G54)^M
63 mph wind gust reported at Fort Peck.									
Valley County 5 S Opheim	29	1520MST			0	0			Thunderstorm Wind (G52)^M
60 mph wind gust reported 5 miles south of Opheim.									
Valley County 5 S Opheim	29	1530MST			0	0			Hail(1.00)
Daniels County 12 SW Peerless to 12 SSW Peerless	29	1534MST			0	0			Thunderstorm Wind (G50)^M
58 mph wind gust reported 12 miles southsouthwest of Peerless.									
McCone County 5 S Watkins	29	1540MST			0	0			Thunderstorm Wind (G52)^M
60 mph wind gust reported 5 miles south of Watkins.									
McCone County Vida	29	1544MST			0	0			Thunderstorm Wind (G56)^M
65 mph wind gust reported at Vida.									
Prairie County 30 NW Terry	29	1550MST			0	0			Thunderstorm Wind (G52)^M
60 mph wind reported at Big Sheep RAWS.									
Roosevelt County Wolf Pt	29	1550MST			0	0			Thunderstorm Wind (G50)
Wind downed power lines in Wolf Point.									
McCone County 5 SW Circle	29	1556MST			0	0	10K		Thunderstorm Wind (G50)
Wind tipped camper over on Highway 200 5 miles southwest of Circle.									
Dawson County 10 S Lindsay	29	1615MST			0	0	1K		Thunderstorm Wind (G52)^M
60 mph wind blew shingles off roof 10 miles south of Lindsay.									
Prairie County Terry	29	1615MST			0	0			Thunderstorm Wind (G52)^M
60 mph wind toppled 12 inch diameter pine tree at Terry.									
Roosevelt County 6 E Poplar	29	1627MST			0	0			Thunderstorm Wind (G57)^M

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>MONTANA, East</u>									
67 mph wind reported at Poplar RAWs.									
Richland County 10 N Enid	29	1630MST			0	0			Thunderstorm Wind (G52) ^M
60 mph wind reported 10 miles north of Enid.									
Dawson County Dawson Arpt Glendive	29	1640MST 1710MST			0	0			Thunderstorm Wind (G63) ^M
73 mph wind reported at the Dawson County Airport in Glendive.									
Richland County 5 E Andes	29	1650MST			0	0			Thunderstorm Wind (G52) ^M
60 mph wind reported 5 miles east of Andes.									
Richland County Sidney Richland Arpt	29	1715MST 1725MST			0	0			Thunderstorm Wind (G55) ^M
64 mph wind reported at the Richland County Airport in Sidney.									
Wibaux County Wibaux	29	1730MST			0	0			Thunderstorm Wind (G52) ^M
60 mph wind reported at Wibaux.									
<u>MONTANA, South</u>									
Powder River County 15 W Biddle	02	1435MST			0	0			Hail(0.88)
Powder River County Broadus	02	1500MST			0	0			Thunderstorm Wind (G60)
Signs and small trees blown over									
MTZ036 Powder River	02	1530MST			0	0			Flood
Heavy rain caused flooding of small creeks and low lying areas. Broadus received up to 1.75 inches of rain in 20 minutes.									
Rosebud County Ashland	08	1230MST			0	0			Hail(1.00)
Powder River County 40 NW Broadus	08	1244MST			0	0			Hail(0.75)
Rosebud County 3 SE Angela	08	1520MST			0	0			Hail(1.00)
Custer County 20 NW Miles City	08	1525MST			0	0			Hail(0.88)
Custer County 35 E Miles City	08	1535MST			0	0			Tstm Wind/Hail
1.00 inch hail and 55 mph winds resulting in broken out windows									
Rosebud County Hathaway	08	1540MST			0	0			Hail(1.00)
Custer County Miles City	08	1550MST			0	0			Hail(0.75)
Custer County Miles City	08	1600MST			0	0			Hail(1.00)
Rosebud County 15 N Ashland	08	1605MST			0	0			Hail(0.75)
Custer County 4 NE Miles City	08	1610MST			0	0			Hail(1.75)

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>MONTANA, South</u>									
Custer County Miles City	08	1658MST			0	0			Hail(0.75)
Custer County Miles City	08	1705MST			0	0			Hail(0.75)
Powder River County Coalwood	08	1715MST			0	0			Hail(1.00)
Powder River County Sonnette	08	1735MST			0	0			Hail(1.50)
Powder River County 12 NW Broadus	08	1800MST			0	0			Hail(0.75)
Powder River County 2 S Olive	08	1800MST			0	0			Hail(2.50) Cars/trees/buildings damaged
Powder River County 12 N Broadus	08	1805MST			0	0			Hail(1.50)
Powder River County Coalwood	08	1805MST			0	0			Hail(1.00)
Powder River County Coalwood	08	1810MST			0	0			Hail(0.75)
Custer County 20 SE Mizpah	08	1840MST			0	0			Hail(0.75)
Carter County 11 N Ekalaka	08	1900MST			0	0			Hail(1.75)
Fallon County 20 S Willard	08	1900MST			0	0			Hail(1.75)
Fallon County 23 S Willard	08	1905MST			0	0			Hail(1.25)
Powder River County 12 N Broadus	08	1910MST			0	0			Hail(0.88)
Custer County 25 SE Miles City	08	1915MST			0	0			Hail(0.88)
Fallon County 12 S Baker	08	1930MST			0	0			Hail(0.75)
Custer County 28 SE Mizpah	08	1950MST			0	0			Hail(0.75)
Powder River County 5 N Otter	08	1645MST			0	0			Hail(1.00)
Custer County 10 E Volborg	08	1825MST			0	0			Hail(0.75)
Fallon County 5 S Baker	08	2000MST			0	0			Thunderstorm Wind (G60) 5 power poles blown down
Carter County 6 N Ekalaka	08	2005MST			0	0			Thunderstorm Wind (G60) Aspen tree blown down
Carter County 44 S Ekalaka	08	2025MST			0	0			Hail(0.75)

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>MONTANA, South</u>									
Fallon County Baker	08	2045MST			0	0			Hail(0.75)
Carter County Mill Iron	08	2115MST			0	0			Hail(0.75)
Carter County 44 S Ekalaka	08	2025MST			0	0			Thunderstorm Wind (G90) Four cattle shelters destroyed in Ridgeway. 400 gallon propane tank blown over. Cattle shelter blown into creek. Roof damage to houses. Wooden fences blown down.
Powder River County Biddle	18	1810MST			0	0			Hail(2.75)
Powder River County 5 N Biddle	18	1815MST			0	0			Thunderstorm Wind (G60)
Carter County 9 NW Alzada	18	1910MST			0	0			Hail(2.50)
Carter County 9 NE Alzada	18	1910MST			0	0			Hail(2.50)
Carter County Alzada	18	1925MST			0	0			Hail(4.50)
Carter County Albion	18	1928MST			0	0			Hail(0.75)
Carter County Alzada	18	1941MST			0	0			Hail(2.50)
Carter County 19 NE Alzada	18	2301MST			0	0			Hail(1.50)
Big Horn County Busby	21	1348MST			0	0			Hail(1.00)
Rosebud County 10 SW Forsyth	21	1514MST			0	0			Hail(1.00)
Rosebud County 9 SW Forsyth	21	1514MST			0	0			Hail(1.00)
Big Horn County 9 N Lodge Grass	21	1940MST			0	0			Hail(0.88)
Big Horn County Garryowen	21	1955MST			0	0			Hail(0.75)
Big Horn County 8 S Busby	21	2036MST			0	0			Hail(0.75)
Rosebud County Birney	21	2122MST			0	0			Hail(0.75)
Rosebud County Birney	21	2130MST			0	0			Hail(0.75)
Rosebud County 30 SW Colstrip	21	1435MST			0	0			Hail(0.75)
Rosebud County 15 N Forsyth	21	1616MST			0	0			Hail(0.75)
Carter County 9 NW Alzada	22	1605MST			0	0			Hail(1.75)
Powder River County 1 S Epsie	22	1657MST			0	0			Hail(0.75)

Storm Data and Unusual Weather Phenomena

June 2002

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

Pass. Some snowfall amounts during the event included: 12 inches at Hoodoo Basin and North Fork Elk Creek, 14 inches at Warm Springs RAWs, 17 inches at Point Six, 40 inches at Pike Creek, and 57 inches at Badger Pass in Flathead County. Several temperature records were broken in the days following the storm event.

MTZ007

Butte / Pintlar Region

18	1300MST 1700MST				0	1			High Wind (G45)
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A tight surface pressure gradient combined with microburst winds from convective showers brought gusty winds to the area. Some large trees were knocked over, one fell on a house in Butte. The facade of an old building in downtown Philipsburg fell into the street from the strong winds. Power was disrupted in Butte and Philipsburg and one person was seriously injured in Anaconda when he was blown off a carport.

Silver Bow County

Butte	21	1920MST			0	0			Hail(1.00)
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Deer Lodge County

Anaconda	21	2022MST			0	0			Funnel Cloud
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A funnel cloud was reported in Anaconda as a strong thunderstorm moved through the area. Another storm brought one inch hail to Butte.

Powell County

9 SSE Ovando	27	1635MST			0	0			Hail(0.88)
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Missoula County

Seeley Lake	27	1740MST			0	0			Thunderstorm Wind (G52)
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Lake County

Charlo	27	1741MST			0	0			Hail(1.75)
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Missoula County

10 N Missoula	27	1746MST			0	0			Thunderstorm Wind (G53)^M
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Flathead County

Bigfork	27	1820MST			0	0			Hail(0.75)
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Severe thunderstorms brought strong winds across Missoula County and large hail to Powell, Lake, and Flathead Counties. Heavy rain flooded basements in Polson, power was knocked out in the Missoula and northern Bitterroot Valleys, and hail up to golf ball-size was reported in Charlo.

NEBRASKA, Central

Cherry County

8 S Merriman	01	2135CST			0	0	4K		Hail(1.00)
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Custer County

5 S Merna	06	1625CST			0	0			Hail(0.75)
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Boyd County

3 N Lynch	07	1455CST			0	0			Hail(0.88)
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Rock County

16 NNE Rose	07	1555CST			0	0			Hail(0.75)
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Garfield County

3 NW Burwell	07	1600CST			0	0			Hail(0.75)
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Holt County

13 S Stuart	07	1600CST			0	0			Hail(0.75)
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Loup County

4 SE Taylor	07	1600CST			0	0			Hail(0.75)
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Brown County

17 S Ainsworth	07	1605CST			0	0			Hail(0.75)
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Garfield County

12 N Burwell	07	1625CST			0	0			Hail(0.75)
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Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<u>NEBRASKA, Central</u>									
Holt County									
14 SW Atkinson	07	1625CST			0	0	4K		Hail(1.00)
Holt County									
3 S Chambers	07	1635CST			0	0	8K	10K	Hail(1.75)
Garfield County									
1 SE Burwell	07	1700CST			0	0			Hail(0.75)
Keith County									
6 NW Paxton	07	1740MST			0	0			Hail(0.75)
Keith County									
6 NW Paxton	07	1740MST			0	0			Thunderstorm Wind (G52)
Holt County									
1 E Ewing	07	1750CST			0	0			Hail(0.75)
Keith County									
4 NE Paxton	07	1800MST			0	0			Thunderstorm Wind (G52)
Sheridan County									
5 ESE Ellsworth	07	1818MST			0	0			Hail(0.75)
Lincoln County									
1 W Sutherland	07	1855CST	0.2	20	0	0		10K	Tornado (F0)
									The tornado made a brief touchdown. State Patrol reported trees down.
Lincoln County									
16 N Sutherland	07	1900CST			0	0	2K		Hail(1.00)
Mcperson County									
14 SW Tryon	07	1900CST			0	0	2K		Hail(1.00)
Custer County									
1 W Comstock	07	1925CST			0	0	4K		Thunderstorm Wind (G52)
									The roof was ripped off a hog shed.
Lincoln County									
North Platte	07	1930CST			0	0			Thunderstorm Wind (G52)
									Power lines were down in northwest corner of the city.
Holt County									
1 W Inman	07	2017CST			0	0	4K	8K	Hail(1.00)
Garfield County									
12 N Burwell	08	0100CST			0	0	60K		Lightning
									Fire...initiated by a lightning strike...destroyed a home.
Custer County									
10 NE Callaway to 8 ENE Callaway	12	1815CST 1820CST			0	0	8K		Hail(1.00)
Sheridan County									
3 W Hay Spgs to Hay Spgs	15	0415MST			0	0	15K	10K	Hail(1.75)
Grant County									
5 SE Hyannis	15	0712MST			0	0			Hail(0.75)
Grant County									
13 SE Hyannis	15	0728MST			0	0	2K		Hail(1.00)
Arthur County									
13 NNE Arthur	15	0745MST			0	0	2K		Hail(1.00)
Mcperson County									
25 NW Tryon	15	0850CST			0	0			Hail(0.75)

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<u>NEBRASKA, Central</u>									
Mcpherson County									
8 W Tryon	15	0915CST			0	0			Hail(0.75)
Lincoln County									
11 N Hershey	15	0948CST			0	0			Hail(0.75)
Lincoln County									
11 S North Platte to 7 S North Platte	15	1014CST 1020CST			0	0			Hail(0.75)
Hayes County									
16 NE Hayes Center	15	1055CST			0	0			Hail(0.75)
Lincoln County									
15 E Wellfleet	15	1056CST			0	0			Hail(0.75)
Frontier County									
6 E Curtis	15	1109CST			0	0			Hail(0.88)
Frontier County									
Moorefield	15	1112CST			0	0			Hail(0.75)
		Pea to dime size hail covered the ground.							
Frontier County									
3 E Stockville	19	1615CST			0	0			Hail(0.75)
Frontier County									
10 SW Stockville	19	1624CST			0	0	4K	5K	Hail(1.75)
Frontier County									
11 S Stockville	19	1649CST			0	0	15K	20K	Hail(2.75)
Frontier County									
9 SE Stockville to 11 SE Stockville	19	1730CST 1735CST			0	0	12K	10K	Hail(1.00)
		The corn was stripped by the hail.							
Lincoln County									
17 NE North Platte	19	1811CST			0	0	6K	10K	Hail(1.00)
Logan County									
6 SSW Stapleton	19	1815CST			0	0	4K	10K	Hail(1.75)
Holt County									
5 SSW Amelia	19	1852CST			0	0	4K		Hail(1.00)
Lincoln County									
14 NE North Platte	19	1903CST			0	0			Hail(0.75)
Garfield County									
19 N Burwell	19	1925CST			0	0			Hail(0.88)
Loup County									
16 NNW Taylor	19	1940CST			0	0			Hail(0.75)
Custer County									
15 SW Callaway	19	1945CST			0	0			Hail(0.75)
Holt County									
11 SSW Ewing	19	1950CST			0	0	8K	10K	Hail(1.50)
Wheeler County									
16 NNE Bartlett	19	2005CST			0	0			Hail(0.75)
Wheeler County									
17 NE Bartlett	19	2015CST			0	0			Hail(0.75)
Keith County									
7 SSW Paxton	20	2100MST			0	0	6K	15K	Hail(1.75)

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<u>NEBRASKA, Central</u>									
Perkins County									
8 NNE Elsie	20	2100MST			0	0			Hail(0.75)
Lincoln County									
18 NE Maxwell	20	2130CST			0	0	2K	10K	Hail(1.00)
Logan County									
17 NNW Stapleton	20	2320CST			0	0	4K	8K	Hail(2.00)
Sheridan County									
1 SE Hay Spgs	20	2320MST			0	0	6K	10K	Hail(1.00)
Sheridan County									
4 S Hay Spgs	21	0000MST			0	0	2K	8K	Hail(1.00)
Cherry County									
1 NE Kilgore	21	0100CST			0	0	6K		Hail(1.75)
Keith County									
4 NW Keystone	24	1623MST			0	0			Hail(0.75)
Cherry County									
31 S Cody	24	1657CST			0	0	2K		Hail(1.00)
Cherry County									
Crookston to 8 S Crookston	24	1800CST			0	0	6K		Hail(1.75)
Hail covered the ground 8 miles south of Crookston.									
Cherry County									
5 W Valentine to 5 N Valentine	24	1845CST			0	0	25K	20K	Hail(4.00)
Hail broke windshields in vehicles and damaged siding on homes.									
Lincoln County									
North Platte Arpt	24	1900CST			0	0			Thunderstorm Wind (G57) ^M
Cherry County									
42 S Merriman	25	1623CST			0	0	4K		Hail(1.25)
Cherry County									
24 S Valentine	25	1650CST			0	0			Thunderstorm Wind (G52)
Grant County									
15 S Whitman	25	1655MST			0	0			Hail(0.75)
Loup County									
6 N Almeria	25	1700CST			0	0			Hail(0.75)
Arthur County									
15 NE Arthur	25	1730MST			0	0			Hail(0.75)
Arthur County									
15 NE Arthur to 18 NE Arthur	25	1730MST			0	0			Thunderstorm Wind (G52)
Large limbs were broken off trees.									
Loup County									
5 WNW Taylor	25	1737CST			0	0	2K		Hail(1.00)
Mcpherson County									
1 E Ringgold	25	1835CST			0	0			Hail(0.75)
Custer County									
11 NE Weissert	25	1840CST			0	0			Hail(0.88)
Holt County									
3 E Ewing	25	1845CST			0	0			Hail(0.75)
Logan County									
1 E Stapleton	25	1900CST			0	0			Hail(0.75)

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>NEBRASKA, Central</u>									
Custer County 4 NNW Callaway to 7 N Callaway	25	1930CST			0	0	6K	8K	Hail(1.50)
Chase County (Iml)Imperial Arpt	25	1935MST			0	0			Thunderstorm Wind (G50) ^M
Custer County 10 SW Sargent	25	1945CST			0	0	4K		Hail(1.00)
Custer County 5 WNW Callaway	25	2000CST			0	0	4K	8K	Hail(1.75)
<u>NEBRASKA, East</u>									
Colfax County Howells	04	0230CST 0240CST			0	0			Hail(0.88)
Cuming County 12 SW Beemer	04	0245CST			0	0			Hail(0.75)
Burt County 2 NW Lyons	04	0306CST			0	0			Hail(0.88)
Knox County 11 NW Verdigre	06	1800CST			0	0			Hail(1.00)
Knox County Verdigre	06	1835CST			0	0			Hail(0.75)
Knox County Creighton	06	1857CST 1900CST			0	0			Hail(1.00)
Antelope County 6 E Brunswick	06	1945CST			0	0			Hail(0.75)
Pierce County 5 S Plainview	06	1945CST			0	0			Hail(0.75)
Madison County Tilden	06	2023CST			0	0			Hail(0.88)
Knox County 2 E Verdel	07	1515CST			0	0			Hail(0.75)
Antelope County 7 NNW Neligh	07	1721CST			0	0			Hail(1.00)
Antelope County Clearwater	07	1744CST			0	0			Hail(0.75)
Antelope County 1 S Royal	07	1744CST			0	0			Hail(0.75)
Antelope County Clearwater	07	1744CST			0	0			Thunderstorm Wind (G50)
									Thunderstorm wind gusts of close to 60 mph were estimated by law enforcement officials in Clearwater.
Antelope County 2 SE Elgin	07	1920CST			0	0			Hail(0.88)
Platte County 2 SE Columbus	10	1950CST			0	0			Hail(1.00)
Platte County Columbus	10	2025CST			0	0			Thunderstorm Wind (G50)

Storm Data and Unusual Weather Phenomena

June 2002

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

Thunderstorm wind gusts knocked several branches and limbs down in town and also caused a tree to fall over on a power line resulting in a power outage.

Seward County

1 W Seward

10 2030CST

0 0

Thunderstorm Wind (G55)

Thunderstorm winds overturned a center pivot irrigation system, broke a few large tree limbs and caused some outbuilding damage west of Seward.

Colfax County

Howells

10 2033CST

0 0

Thunderstorm Wind (G50)^M

A cooperative observer in Howells reported thunderstorm wind gusts measured at 58 mph by home wind equipment. The winds downed a few trees in town.

Cuming County

West Pt

10 2055CST

0 0

Thunderstorm Wind (G50)

A cooperative observer in West Point reported that thunderstorm wind gusts estimated at 60 mph or more caused major tree damage in West Point. The winds also damaged some farm outbuildings near town.

Saunders County

1 N Wahoo to
2 S Wahoo

10 2105CST
2140CST

0 0

Thunderstorm Wind (G65)

A small cluster of severe thunderstorms tracked across Saunders county from just north of Wahoo south toward Valparaiso then east into Douglas county near Valley. The storms produced wind gusts estimated at over 70 mph which downed numerous trees and power lines and snapped power poles from just north through east of Wahoo through Wahoo itself then south to 3 miles north of Valparaiso. Tree damage was quite extensive in Wahoo where enough debris clogged city streets that city crews used bulldozers to clear them. OPPD estimated that around 3000 customers lost power for a time because of the storm.

Madison County

Meadow Grove

10 2128CST

0 0

Hail(0.75)

Saunders County

8 E Prague to
Prague

10 2138CST

0 0

Thunderstorm Wind (G55)

A ham radio operator reported that thunderstorm wind gusts downed trees and blew grain bin tops off east of Prague. These winds were caused by the same severe storm cluster that caused the extensive tree damage around Wahoo.

Saunders County

Colon

10 2140CST

0 0

Thunderstorm Wind (G55)

Grain bins were blown down near Colon from the same thunderstorm that caused extensive tree damage around Wahoo.

Saunders County

Ceresco

10 2140CST

0 0

Thunderstorm Wind (G55)

Thunderstorm winds downed trees and power lines around Ceresco. The winds were caused by the same thunderstorm complex that caused the extensive tree damage around Wahoo.

Douglas County

Valley

10 2142CST

0 0

Thunderstorm Wind (G50)^M

A thunderstorm wind gust of 58 mph was recorded at the NWS office in Valley. The winds were caused by the same thunderstorm complex that produced the extensive tree and power line damage in Saunders county.

Saunders County

3 N Valparaiso

10 2142CST

0 0

Thunderstorm Wind (G50)

Thunderstorm wind gusts downed trees causing power outages north of Valparaiso.

Saunders County

Malmo

10 2143CST

0 0

Thunderstorm Wind (G55)

Trees and power lines were downed around Malmo by the same thunderstorm complex that caused extensive tree damage around Wahoo.

Saunders County

Ithaca

10 2144CST

0 0

Thunderstorm Wind (G50)

Thunderstorm wind gusts damaged large tree branches and knocked power out in Ithaca. From the same storm system that did the tree damage around Wahoo.

Saunders County

Mead

10 2145CST

0 0

Thunderstorm Wind (G55)

Thunderstorm wind gusts downed small trees and power lines in Mead. From the same storm complex that caused the extensive tree damage around Wahoo.

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>NEBRASKA, East</u>									
Douglas County									
Omaha	10	2157CST			0	0			Hail(0.75)
		Reported at 108th and Maple St.							
Platte County									
Platte Center	10	2250CST			0	0			Hail(0.75)
Jefferson County									
4 S Endicott	11	1837CST			0	0			Hail(0.75)
Gage County									
Odell	11	1847CST			0	0			Hail(0.75)
Gage County									
4 SE Beatrice	11	1917CST			0	0			Hail(0.75)
Gage County									
8 E Beatrice	11	1918CST			0	0			Hail(1.00)
Saunders County									
Ashland	12	1517CST			0	0			Hail(1.00)
Lancaster County									
2 E Davey	12	1527CST			0	0			Hail(0.88)
Cass County									
2 S Greenwood to 1 NE Greenwood	12	1545CST 1600CST			0	0			Thunderstorm Wind (G70)
		Thunderstorm winds estimated at 80 mph caused extensive tree and other damage around the Greenwood area. The most damage was reported from a few miles south through just northeast of town. A roof was blown off of a section of a motel near the I-80 exchange south of town, numerous trees and power lines were downed around the area and a large barn was blown down just northeast of Greenwood. The thunderstorm was accompanied by hail up to golfball size which covered the ground							
Cass County									
Greenwood	12	1545CST 1600CST			0	0			Hail(1.75)
		Hail up to golfball size covered the ground around Greenwood.							
Platte County									
Duncan to Columbus	12	1555CST 1600CST			0	0			Hail(1.75)
		Hail up to golfball size pelted an area of southern Platte county from around Duncan to the southern sections of Columbus. In fact, there was even one unofficial report that some stones were as big as baseball size in between Duncan and Columbus on highway 30. The hail broke windows and did siding damage on houses and businesses just southwest of Columbus, as well as broke windows on vehicles in that area. Crop damage was also reported along highway 30 southwest of Columbus.							
Butler County									
Bellwood	12	1618CST			0	0			Hail(1.75)
Cass County									
Murray	12	1637CST			0	0			Hail(1.00)
Cass County									
Murray	12	1637CST			0	0			Thunderstorm Wind (G60)
		Thunderstorm wind gusts estimated at around 70 mph broke several large trees in half around town. Quarter size hail also accompanied the storm.							
Butler County									
6 N David City	12	1643CST			0	0			Hail(0.75)
Cass County									
Plattsmouth	12	1647CST			0	0			Thunderstorm Wind (G55) ^M
		A thunderstorm wind gust of 63 mph was recorded at the Plattsmouth Muni Airport.							
Dodge County									
1 S Fremont	12	1652CST			0	0			Hail(0.75)
Dodge County									
Fremont	12	1702CST			0	0			Hail(0.88)

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>NEBRASKA, East</u>									
Seward County									
2 N Utica	12	1719CST			0	0			Hail(1.25)
Dodge County									
8 W Scribner	12	1845CST			0	0			Hail(1.00)
Colfax County									
Schuyler	12	1900CST			0	0			Hail(0.75)
Saunders County									
6 S Morse Bluff	12	1917CST			0	0			Hail(0.75)
Saunders County									
5 N Prague	12	1924CST			0	0			Hail(0.75)
Dodge County									
Dodge	12	2045CST			0	0			Thunderstorm Wind (G50) Thunderstorm winds downed a few trees in Dodge.
Cass County									
Plattsmouth	12	2048CST			0	0			Thunderstorm Wind (G50) Thunderstorm wind gusts of around 60 mph was reported by a ham radio operator. The winds were accompanied by golfball size hail.
Cass County									
Plattsmouth	12	2050CST			0	0			Hail(1.75)
Knox County									
1 N Center	19	1955CST			0	0			Hail(0.88)
Knox County									
4 S Santee	25	1640CST 1700CST			0	0			Hail(0.88) Hail up to nickel size lasted 20 minutes near Santee.
Knox County									
Niobrara	25	1700CST			0	0			Hail(1.75)
Knox County									
1 E Venus	25	1745CST			0	0			Hail(0.88) A cooperative observer reported nickel size hail along with thunderstorm wind gusts of 50 to 60 mph.
Antelope County									
Royal	25	1810CST			0	0			Thunderstorm Wind (G55) A storm spotter reported thunderstorm wind gusts estimated at 65 mph in Royal. The strong winds were accompanied by 1/2 inch hail. The winds caused tree damage in town.
Antelope County									
6 NW Clearwater	25	1853CST			0	0			Hail(0.75)
Antelope County									
5 SW Elgin	25	1945CST			0	0			Hail(1.00)
Boone County									
5 NW Petersburg	25	2002CST			0	0			Hail(0.88)

NEBRASKA, Extreme Northeast

Dixon County									
Ponca	07	1647CST			0	0			Hail(0.75)
Dakota County									
5 W South Sioux City	07	1759CST			0	0			Hail(0.75)
Dakota County									
4 E Willis	07	1850CST 1930CST			0	0			Flash Flood Heavy rain caused flooding of rural roads and lowlands.

Storm Data and Unusual Weather Phenomena

June 2002

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

Dixon County

Allen	07	1905CST			0	0			Thunderstorm Wind (G52)
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NEBRASKA, Extreme Southwest

NEZ079>081

Dundy - Hitchcock - Red Willow

01	0000MST				0	0			Drought
30	2359MST								

Moderate to severe drought conditions persisted through the month of June across extreme southwestern Nebraska. Although local areas received beneficial moisture, most areas continued with below normal rainfall. The combination of much above normal temperatures and below normal precipitation resulted in below average crop yields and poor summer crop development

Dundy County

3 W Benkelman	07	1845MST			0	0			Hail(0.75)
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Red Willow County

8 NE Bartley	15	1040MST			0	0			Hail(0.88)
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Red Willow County

8 SE Bartley	17	1530MST			0	0			Hail(0.75)
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Red Willow County

6 S Mc Cook	19	1545MST			0	0			Hail(2.00)
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Dundy County

Benkelman	25	2055MST 2255MST			0	0			Flash Flood
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Street flooding in Benkelman, as well as on highway 34 east and west of Benkelman.

Red Willow County

3 W Mc Cook	25	2105MST			0	0			Thunderstorm Wind (G52)
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Red Willow County

Mc Cook Arpt	25	2131MST			0	0			Thunderstorm Wind (G51) ^M
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Red Willow County

4 W Mc Cook	25	2140MST			0	0			Thunderstorm Wind (G56)
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Hitchcock County

Trenton	25	2200MST			0	0			Thunderstorm Wind (G52)
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Four to six-inch diameter tree limbs down.

NEBRASKA, South Central

Phelps County

Holdrege	02	2030CST			0	0	60K	0	Thunderstorm Wind (G51)
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Phelps County

Funk	02	2045CST			0	0	30K	0	Thunderstorm Wind (G51)
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Kearney County

Wilcox	02	2050CST			0	0	100K	0	Thunderstorm Wind (G51)
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Kearney County

Axtell	02	2110CST			0	0	100K	0	Thunderstorm Wind (G61)
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Thunderstorms in Phelps and Kearney counties produced strong winds which downed power lines, overturned a couple of pivots and caused minor roof damage to a few homes. The town of Wilcox lost power for a time.

Buffalo County

7 W Ravenna	06	1840CST			0	0	0	0	Hail(0.75)
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Hall County

Grand Is	06	1845CST			0	0	0	0	Hail(0.75)
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Buffalo County

Kearney Arpt	06	1945CST			0	0	0	0	Thunderstorm Wind (G59) ^M
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Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>NEBRASKA, South Central</u>									
Kearney County									
6 N Minden	06	1958CST			0	0	0	0	Thunderstorm Wind (G61)
Kearney County									
1 E Norman	06	2010CST			0	0	0	0	Thunderstorm Wind (G51)
Fillmore County									
1 W Fairmont	06	2026CST			0	0	0	0	Funnel Cloud
									Another round of scattered thunderstorms brought little rain, but many reports of strong winds to south-central Nebraska. Wind gusts to 70 mph were noted. No damage reports were reported.
Valley County									
8 SW Ord	07	1700CST 2100CST			0	0	50K	250K	Heavy Rain
									Three to five inches of rain fell in western Valley county from a nearly stationary complex of thunderstorms. Water levels rose on the Dane Creek southwest of Ord, and eventually spilled into the town. The creek was out of its banks for a short time at the golf course and Bussell Park. The city of Ord received 2.12 inches of rain.
Valley County									
7 W Ord	07	1720CST			0	0	0	0	Hail(0.75)
Valley County									
7 W Ord	07	1759CST			0	0	0	0	Hail(0.88)
Valley County									
9 SW Ord	07	1820CST			0	0	0	0	Hail(1.00)
Valley County									
10 S Ord	07	1836CST			0	0	10K	0	Hail(1.75)
Valley County									
6 N Arcadia	07	1925CST			0	0	0	0	Hail(0.75)
Valley County									
8 SW Ord	07	1950CST			0	0	0	0	Hail(0.75)
Valley County									
7 N Arcadia	07	2010CST			0	0	10K	100K	Hail(1.75)
									An isolated complex of thunderstorms rumbled across Valley county during the evening hours. Hail was reported in the western and southern sections of the county, with many spots reported hail several times during the evening.
Hall County									
Doniphan	10	1829CST			0	0	0	0	Hail(0.88)
Hall County									
Doniphan	10	1855CST			0	0	0	0	Hail(0.88)
Hamilton County									
Countywide	10	1900CST 2100CST			0	0	100K	500K	Heavy Rain
Hamilton County									
Murphy	10	1900CST			0	0	0	0	Hail(1.00)
Clay County									
5 NE Inland to 6 NE Inland	10	1923CST 1926CST	1	20	0	0	0	0	Tornado (F0)
									Brief tornado touch down in northern Clay county.
York County									
Henderson	10	1930CST			0	0	100K	0	Thunderstorm Wind (G62)
Hamilton County									
4 W Stockham	10	1935CST	0.2	20	0	0	0	0	Tornado (F0)
									A brief touch down along the flanking line of the thunderstorm as reported by an off duty NWS meteorologist.
Hamilton County									
Aurora	10	1940CST			0	0	75K	0	Hail(1.75)

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<u>NEBRASKA, South Central</u>									
Hamilton County									
Giltner	10	1945CST			0	0	50K	0	Hail(1.75)
Merrick County									
Clarks	10	2115CST			0	0	50K	0	Hail(1.75)
Nance County									
3 S Fullerton	10	2155CST			0	0	0	0	Hail(0.75)
Howard County									
10 NE St Paul	10	2200CST			0	0	0	0	Hail(0.75)
Nance County									
6 NE Fullerton	10	2350CST			0	0	0	0	Hail(0.75)
<p>Scattered severe thunderstorms developed during the evening hours across portions of south-central Nebraska. The storms started out just south of Grand Island and spread east. Two tornadoes were observed from these storms. The first was in northern Clay county and was reported by a storm chaser to have set down for about a mile. The second was observed by an off duty NWS meteorologist and was only one the ground for a brief time. No damage occurred from either tornado. Very heavy rains were reported across Hamilton county were some flooding occurred. Numerous hail reports from the area indicated that stones ranged from the size of nickels to golf balls.</p>									
Kearney County									
8 NE Axtell	12	1125CST			0	0	0	250K	Hail(1.00)
Kearney County									
4 W Newark	12	1145CST			0	0	0	250K	Hail(1.00)
Nuckolls County									
9 NE Nelson	12	1410CST			0	0	0	0	Hail(0.75)
Thayer County									
Hebron	12	1430CST 1530CST			0	0	25K	0	Heavy Rain
<p>The town of Hebron received 3.36 inches of rain in one hour resulting in minor street flooding.</p>									
Thayer County									
1 NE Deshler	12	1442CST			0	0	0	0	Funnel Cloud
Merrick County									
Clarks	12	1613CST			0	0	50K	500K	Hail(1.75)
Polk County									
2 W Polk	12	1637CST			0	0	50K	500K	Hail(1.75)
York County									
Gresham	12	1640CST			0	0	200K	1M	Hail(1.00)
Polk County									
Stromsburg	12	1642CST			0	0	100K	500K	Hail(1.75)
York County									
7 NW York	12	1700CST			0	0	100K	1M	Hail(3.50)
Buffalo County									
7 NE Miller	12	1905CST 1910CST			0	0	50K	1M	Hail(1.00)
Buffalo County									
Amherst	12	1920CST			0	0	10M	3M	Hail(5.00)
Buffalo County									
Riverdale	12	1930CST			0	0	10M	3M	Hail(5.00)

Storm Data and Unusual Weather Phenomena

June 2002

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



The large hail that fell across Buffalo county caused considerable damage to vehicles. Here is an example of the damage. This is a Buffalo County Sheriff's patrol car. NWS Photo.

**Buffalo County
Kearney**

12	1940CST				0	15	50M	2M	Hail(5.00)
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An example of some of the large hail that fell in and around the city of Kearney Nebraska. Most hail was baseball to softball size but a few reports of 5 inch hail were received. Photo provided by Bob Mayo of Kearney. All injuries were minor

**Kearney County
9 NW Minden**

12	1945CST				0	0	5M	2M	Hail(2.75)
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**Kearney County
Minden**

12	2005CST				0	0	20M	3M	Hail(4.50)
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Storm Data and Unusual Weather Phenomena

June 2002

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

NEBRASKA, South Central

Adams County									
3 NW Holstein	12	2010CST			0	0	0	0	Hail(0.88)
Webster County									
Blue Hill	12	2019CST			0	0	50K	500K	Hail(1.75)
Franklin County									
Campbell	12	2029CST			0	0	50K	500K	Hail(1.75)
Franklin County									
Riverton	12	2030CST			0	0	50K	1M	Hail(1.00)
Webster County									
Guide Rock	12	2040CST			0	0	50K	500K	Hail(1.75)
Nuckolls County									
Bostwick	12	2050CST			0	0	0	0	Hail(0.88)

A wicked severe thunderstorm ripped across Buffalo and Kearney counties, dumping hail larger than softballs and causing about 100 million dollars in damage in those two counties. As the severe storm rolled across Buffalo county, it moved southeast along Highway 40 through Amherst, near Riverdale and eventually into the city of Kearney. In excess of 6000 structures will require roof, window, and siding repairs. In some cases, hail stones penetrated the shingles, sheeting, and interior ceiling drywall. One person reported an 8 inch diameter hole in their roof. Another home owner sustained \$60,000 in damage. One more home owner reported hail stones landing on the living room couch, after falling through the roof. Over 3000 automobiles were severely damaged. One local auto dealership experienced damage to 297 cars on the lot. Hundreds of windows were lost on the campus of the University of Nebraska-Kearney. Eight police cruisers were damaged. Fifteen (15) people were treated for minor abrasions and released from the local hospital. Several hailstones measured 5 inches in diameter throughout the county, and there were unconfirmed reports of melon sized hail near Amherst.

In Kearney county, extensive damage was noted in the Minden area. Four and a half (4.5) inch diameter hail was reported in the city. The most extensive damage occurred at the indoor greenhouse facility which grows tomatoes. The glass structure was no match for the softball size hailstones. 2500 pains of glass were broken, including about 60 percent of the roof panes. Shards of glass penetrated the tomatoes and forced the expulsion of the product for safety reasons. Crop damage was widespread throughout the county as over 22,000 acres of corn, soybeans and alfalfa were severely damaged or destroyed. The storm continued south and produced more crop and property damage in parts of Webster and Franklin counties.

Dawson County									
4 S Cozad	15	0845CST			0	0	0	250K	Hail(0.75)
Harlan County									
4 N Mascot	15	1000CST			0	0	0	250K	Hail(0.75)
Furnas County									
5 NE Edison	15	1015CST			0	0	25K	500K	Hail(1.50)
Gosper County									
13 SE Smithfield	15	1045CST			0	0	15K	300K	Hail(1.75)
Phelps County									
10 NW Atlanta	15	1045CST			0	0	5K	300K	Hail(1.00)
Phelps County									
1 W Atlanta	15	1115CST			0	0	0	300K	Hail(1.00)
Furnas County									
Cambridge	15	1145CST			0	0	0	0	Hail(1.00)
Harlan County									
Orleans	15	1152CST			0	0	0	300K	Hail(0.75)
Furnas County									
Hendley	15	1205CST			0	0	0	300K	Hail(0.88)
Harlan County									
Alma	15	1210CST			0	0	0	300K	Hail(0.75)
Franklin County									
6 N Naponee	15	1305CST			0	0	0	100K	Hail(0.75)

Morning thunderstorms brought some rain to the drought stricken area southwest of Holdrege, but also an unwanted hailstorm. Hail

Storm Data and Unusual Weather Phenomena

June 2002

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

NEBRASKA, South Central

ranged from dimes to golf balls in size, but was driven by 50 mph winds. Several million dollars in crop damage was noted, with some fields a total loss. The most significant damage occurred along a patch from about 10 miles north of Oxford to around Orleans. A few farmers were expected to replant.

Furnas County									
Beaver City	17	1710CST			0	0	0	0	Hail(1.00)
Harlan County									
1 SW Orleans	17	1805CST			0	0	10K	250K	Hail(1.75)
Hall County									
7 NW Grand Is	18	2338CST			0	0	0	0	Hail(1.25)
Gosper County									
2 W Elwood	19	1727CST			0	0	0	0	Hail(0.75)
Phelps County									
6 NE Bertrand	19	1820CST			0	0	25K	0	Thunderstorm Wind (G62)
Phelps County									
6 E Loomis	19	1822CST			0	0	0	0	Hail(0.75)
Buffalo County									
1 W Riverdale	19	1852CST			0	0	25K	0	Thunderstorm Wind (G62)
Buffalo County									
Kearney Arpt	19	1855CST			0	0	0	0	Thunderstorm Wind (G51) ^M
Buffalo County									
2 S Poole	19	1910CST			0	0	70K	0	Thunderstorm Wind (G62)
Hall County									
Cairo	19	1930CST			0	0	15K	0	Thunderstorm Wind (G51)
Howard County									
Dannebrog	19	1938CST			0	0	15K	0	Thunderstorm Wind (G50)
Hall County									
5 N Grand Is	19	1940CST			0	0	16K	0	Thunderstorm Wind (G62)
Howard County									
2 N Farwell	19	1945CST			0	0	10K	0	Thunderstorm Wind (G62)
Howard County									
St Paul	19	2000CST			0	0	50K	0	Thunderstorm Wind (G62)

Severe thunderstorms packing high winds fell trees and caused property damage stretching from near Bertrand to Saint Paul. The first round of damage, mainly to outbuildings, occurred northeast of Bertrand on a farmstead. North of Kearney, a mobile home was completely destroyed by the high winds. South of Poole, two irrigation pivots were rendered useless by the wind. Farther east in Cairo, 12 to 15 large trees were pushed over by the wind. In Saint Paul, a tree fell on a house and a vehicle. Finally, the roof was torn off the gymnasium at the R-1 school north of Grand Island. Fortunately, the school sustained little other damage aside from the roof.

NEBRASKA, West

Kimball County									
15 NW Kimball	01	1700MST 1705MST			0	0			Hail(1.00)
Banner County									
8 S Harrisburg	01	1712MST 1716MST			0	0			Hail(1.00)
Scotts Bluff County									
Lyman	01	1750MST 1754MST			0	0			Hail(1.00)
Sioux County									
Harrison	02	1905MST 1907MST			0	0			Hail(0.75)

Storm Data and Unusual Weather Phenomena

June 2002

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

NEBRASKA, West

Kimball County

Bushnell	03	1530MST 1534MST			0	0			Hail(1.00)
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Kimball County

Kimball	03	1555MST 1557MST			0	0			Hail(0.75)
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Dawes County

Crawford	15	0506MST 0509MST			0	0			Hail(1.00)
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Box Butte County

16 N Alliance	25	1429MST 1435MST			0	0			Hail(0.75)
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NEVADA, North

Elko County

5 W West Wendover	02	1407PST			0	0			Hail(0.88)
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Motorist reported nickle size hail along I-80 just west of West Wendover.

Eureka County

22 SE Crescent Vly Arpt	20	0500PST			0	0			Thunderstorm Wind (G53) ^M
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Eureka County

22 SE Crescent Vly Arpt	20	1300PST			0	0			Thunderstorm Wind (G52) ^M
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Flat Springs RAWs site reported thunderstorm wind gusts of 61 mph and 60 mph respectively.

Lander County

12 E (Bam)Battle Mtn Ar	21	1245PST			0	0			Thunderstorm Wind (G51) ^M
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The Argenta RAWs site reported a 59 mph wind gust.

Humboldt County

Paradise Vly	21	1430PST 1440PST			0	0			Hail(0.75)
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NEVADA, South

NONE REPORTED.

NEVADA, West

Washoe County

Southwest Portion	21	1720PST 1820PST			0	0	1M		Flash Flood
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Flash flooding struck the Spanish Springs area when an estimated 2 inches of rain fell between 6:20 p.m. and 7:20 p.m. PDT. Most flooding occurred on the west side of Spanish Springs valley where heavy rain fell on hills left nearly barren from a recent wildfire. Water nearly two feet deep flooded streets and yards. Landscaping, sidewalks and streets were damaged by floodwaters and debris. Over one-half million dollars in damage occurred at the new Spanish Springs High School where classrooms, hallways, offices, two gymnasiums and an athletic field were damaged by flooding and mud.

NEW HAMPSHIRE, North and Central

Sullivan County

Washington	05	2200EST			0	0	11K		Lightning
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Lightning struck the tower of the Washington Town Hall causing an estimated \$11,000 in damage to the tower and equipment inside the building.

Storm Data and Unusual Weather Phenomena

June 2002

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

Strafford County

Rochester to Barrington	06	2200EST 2300EST			0	0	15K		Lightning
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Lightning struck a home in Barrington and a garage in Rochester causing fires. The home was left with a gaping hole in the roof and sustained significant water damage and a medium amount of smoke damage. The garage in Rochester was completely destroyed by the fire.

Coos County Countywide

12	0700EST			0	0			Flood
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Three to five inches of rain in 18 hours caused many streams to rise above bankfull. Road washouts and minor flooding occurred in Milan, Berlin, Dummer, North Stratford, Colebrook, and Stark. In Lancaster, some residents in Page Hill mobile home park were evacuated, as well as residents in Indian Brook mobile home park. Beaver Dams may have been responsible for the Lancaster flooding.

NHZ002>003

Southern Coos - Northern Grafton

12	1300EST			0	0			Flood
14	2200EST							

Three to five inches of rain fell in an 18-hr period causing northern sections of the Connecticut River to flood. Only minor flooding occurred. At Dalton, the Connecticut River was in flood from 2 pm on the 12th until 11 pm on the 14th, reaching a crest of 18.89 feet at 11 pm on the 13th, 1.89 feet above flood stage. At wells River, Vermont, the Connecticut was in flood from 9 pm on the 12th to 11 pm on the 13th, reaching a crest of 13.59 feet at 4 am on the 13th, 2.59 feet above flood stage.

Coos County North Stratford

23	1820EST			0	0			Thunderstorm Wind (G50)
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Coos County Jefferson

23	1940EST			0	0			Thunderstorm Wind (G50)
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Coos County Lancaster

23	1940EST			0	0			Thunderstorm Wind (G50)
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Coos County Whitefield

23	1940EST			0	0			Thunderstorm Wind (G50)
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Grafton County 3 N Lisbon

23	1940EST			0	0			Thunderstorm Wind (G50)
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Grafton County Littleton

23	1940EST			0	0			Thunderstorm Wind (G50)
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Coos County Berlin

23	1945EST			0	0			Thunderstorm Wind (G50)
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Coos County Carroll

23	2000EST			0	0			Thunderstorm Wind (G50)
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Coos County Gorham

23	2000EST			0	0			Thunderstorm Wind (G50)
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Grafton County Lisbon

23	2005EST			0	0			Thunderstorm Wind (G50)
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Grafton County Sugar Hill

23	2005EST			0	0			Thunderstorm Wind (G50)
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Grafton County 4 NW Campton

23	2030EST			0	0			Thunderstorm Wind (G50)
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Carroll County Effingham

23	2045EST			0	0			Thunderstorm Wind (G50)
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Severe thunderstorms moving through northern New Hampshire knocked over numerous trees throughout much of northern New Hampshire. The falling trees downed power lines and damaged homes and vehicles. Trees were reported down in Whitefield, Jefferson, Lancaster, Berlin, Gorham, Carroll, Littleton, Lyman, Lisbon, Sugar Hill, Thornton, and Effingham.

Grafton County Littleton

26	1555EST			0	0			Thunderstorm Wind (G50)
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Storm Data and Unusual Weather Phenomena

June 2002

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

Grafton County

Bethlehem	26	1600EST			0	0			Thunderstorm Wind (G50)
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Severe thunderstorms knocked over trees which downed power lines in the towns of Littleton and Bethlehem in Grafton County.

NEW HAMPSHIRE, Southern

Hillsborough County

Manchester	26	1815EST			0	0	10K		Thunderstorm Wind (G50)
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Thunderstorm winds downed several trees and branches in Manchester, primarily near Lamb Road, Newton Road, and Coliseum Avenue.

Hillsborough County

Hillsborough	27	1830EST			0	0	5K		Thunderstorm Wind (G50)
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A severe thunderstorm downed large branches in Hillsborough.

NEW JERSEY, Northeast

NJZ002>006-011

Western Passaic - Bergen - Eastern Passaic - Essex - Hudson - Union									
	01	0000EST			0	0			
	30	2359EST							Drought

Diligent water conservation practices and a wetter pattern helped ease drought conditions during June, which marked the second consecutive month of slightly above normal precipitation across the region. Northern New Jersey received an average of 4.50 inches of rain, which was 119 percent of normal.

At the end of June, a majority of the streams monitored in real time by the U. S. Geological Survey in New Jersey, were classified as having streamflows in the 25 to 74 percentile. There were a few streams in the 10 to 24 percentile. On June 30th, there were record low flows recorded at 4 sites. Ground water storage was much below normal capacity. On the other hand, lake and reservoir storage continued to improve.

The combined storage in the 13 major reservoirs serving northeast New Jersey on June 30th was 91.0 percent capacity, which was within 10 percent of normal. Capacities in the individual reservoirs on June 30th were:

Newark Reservoirs	77.5% (Percent capacity)
Jersey City Reservoirs	92.9%
North Jersey District	99.4%
United Water of New Jersey	81.3%

The State of New Jersey extended the state-wide Drought Emergency that it issued on March 4th, through June 30th. Passaic, Bergen, Essex, Hudson, and Union Counties were included in this emergency.

Bergen County

Carlstadt	06	1845EST 2145EST			0	0			Heavy Rain
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Two and a half to three inches of rain resulted in a roof collapse at the Coca-Cola Building at 118 Woonachie Avenue in Carlstadt.

Bergen County

Garfield to Lodi	19	1531EST 1544EST			0	0			Hail(1.00)
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Spotters reported 1 inch diameter hail in Garfield at 4:31pm and 3/4-inch diameter hail in Lodi at 4:44pm.

Bergen County

Hackensack to Lodi	19	1545EST 1635EST			0	0			Flood
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Several reports of widespread significant flooding of area roadways were received.

Storm Data and Unusual Weather Phenomena

June 2002

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

Union County

Elizabeth	19	1725EST 1740EST			0	0			Hail(1.75)
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Spotters reported ping pong size (1-3/4 inch) hail at 6:25 pm in Elizabeth, 1 inch diameter hail at 6:30 pm 5 miles south of Elizabeth, and 3/4-inch diameter hail at 6:40 pm in Elizabeth.

Union County

Clark	19	1755EST			0	0			Hail(1.00)
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A spotter reported 1 inch diameter hail.

Union County

Linden to Roselle	19	1755EST			0	0			Urban/Sml Stream Fld
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Spotters reported street flooding of poor drainage and low lying areas in Linden, Cranford, Elizabeth and Roselle.

Bergen County

Westwood	26	1600EST			0	0			Thunderstorm Wind (G50)
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A spotter reported that strong winds knocked down several trees and power lines.

Bergen County

Teterboro to Little Ferry	26	1620EST 1625EST			0	0			Hail(1.00)
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Spotters reported quarter size (1 inch diameter) hail along Route 80 near Teterboro at 5:20 pm and penny size (3/4-inch diameter) hail in Little Ferry at 5:25 pm.

Passaic County

Pompton Lakes	26	1710EST			0	0			Thunderstorm Wind (G50)
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Police reported that strong winds knocked over several trees.

Union County

Plainfield to Union	27	1655EST 1700EST			0	0			Thunderstorm Wind (G52)
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As a severe thunderstorm moved rapidly east, it produced high winds that downed trees and wires in both Plainfield and Union.

Union County

Union	27	1925EST			0	0			Thunderstorm Wind (G52)
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Essex County

West Orange	27	1930EST			0	0			Thunderstorm Wind (G50)
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Hudson County

Bayonne	27	1930EST			0	0			Thunderstorm Wind (G50)
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As a line of severe thunderstorms moved east, it produced high winds that downed numerous trees and wires in Union and power lines in both West Orange and Bayonne.

Storm Data and Unusual Weather Phenomena

June 2002

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

NJZ001-007>010-012>026 Sussex - Warren - Morris - Hunterdon - Somerset - Middlesex - Western Monmouth - Eastern Monmouth - Mercer - Salem - Gloucester - Camden - Northwestern Burlington - Western Ocean - Cumberland - Western Atlantic - Western Cape May - Eastern Cape May - Eastern Atlantic - Eastern Ocean

01	0000EST	0	0	0	Drought
30	2359EST				

New Jersey entered June 2002 with a drought emergency in effect for the entire state with mandatory watering restrictions in place. Water usage statewide was down by as much as 20 percent. June 2002 was the fourth straight month of either average or wetter than normal precipitation for the state. The preliminary statewide average precipitation total for the month of June was 4.69 inches. Normal is 3.79 inches.

In spite of improving conditions, the long run of below normal precipitation was still taking its toll on the state, especially the southern half. Wells were being replaced in Atlantic, Burlington, Cape May, Cumberland and Ocean Counties at a faster pace than normal. The Kirkwood-Cohansey aquifer in Deerfield (Cumberland County) remained near record lows. Even wells in Millstone (Somerset County) up to 180 feet deep were going dry. On the positive side, surface reservoirs in the northern half of the state continued to recover. They returned to seasonal normals during the month and were about 90 percent of capacity on June 30th. Even the Spruce Run Reservoir (Hunterdon County) reached 70 percent of capacity during June. On May 1st it was at 47.9 percent of capacity. The Round Valley Reservoir (Hunterdon County) was at 94 percent of capacity. Normal precipitation gave farmers enough moisture for their crops.

The Delaware River Basin Commission, which oversees water supply throughout the Delaware River Basin declared a "drought" on December 3, 2001 when the supply of water in the New York City reservoir system dropped below a designated level for early December. The commission declared a drought emergency on December 18, 2001. Both triggered additional reductions in the amount of water released from the reservoirs into the Delaware River and the amount diverted out of the Delaware River Basin to New York City and New Jersey. Diversions to New York City dropped from 800 million gallons a day to 520 million gallons a day. The emergency declaration gave the commission the power to restrict the amount of water suppliers could draw from the basin. It gave the commission the authority to take water from municipal reservoirs to maintain river levels. It could also call for water releases from federal, state and privately owned reservoirs. Water from Lake Nockamixon, the F.E. Walter Reservoir and Lake Wallenpaupack could be used to maintain river levels. They were last used for this purpose in the 1960s. The releases help protect the riverbank and aquatic life and also prevents salt water from flowing up the Delaware River. Salt water intrusion causes corrosion problems for industries and increases water treatment costs for municipalities that depend on the river for their water supply. Maintaining river levels are also important for groundwater reserves that are recharged by the river itself. Due to a wet May, on June 1st, the salt front along the Delaware River was six miles farther downstream than its normal June position. The emergency declaration also gives the commission the power to request that utilities and other companies that use more than one million gallons of water a day to prepare contingency plans to use less water and submit the plans to the commission. The New York City Reservoirs which feed the Delaware River increased from 81.2 percent of capacity on June 1st to 89.9 percent of capacity on June 24th. They then dropped to 89.0 percent of capacity as of July 1st. Reservoir storage was within the normal range. Under law, the Delaware River Basin Commission drought emergency declaration could not be lifted until reservoir levels remained 40 billion gallons above the drought watch level for 30 days. The commission voted to continue the drought emergency declaration through October 2002 unless all hydrological parameters returned to normal. On June 30th the salt front on the Delaware River was about five miles farther downstream than normal. For the month streamflow on the Delaware River was above normal.

In response to the improving conditions, some of the watering restrictions were relaxed. Lawns could be watered on an odd-even basis and vehicles washed on weekends. Non-lawn vegetation could also be watered on an odd-even basis. New sod or grass seed could be watered every day. Golf courses could use 80 percent of their normal usage (up from 50 percent). The moratorium on wells for new developments, running ornamental fountains and other restrictions remained in place. Several municipalities in Morris and Somerset Counties continued stricter restrictions.

On a county weighted average, June monthly precipitation totals ranged from 3.5 inches in Cape May County to 6.3 inches in Camden County. The least precipitation fell across the northeastern part of the state, while the heaviest precipitation fell in the southwest part of the state. Monthly precipitation totals were 4.98 inches at the Atlantic City International Airport and 5.10 inches in Trenton.

Ocean County

**1 NW Beachwood to
Beachwood**

02	1200EST	0	0	700K	Wild/Forest Fire
06	1800EST				

A rapidly moving wildfire aided by strong gusty northwest winds burned about 1,300 acres of forest, destroyed or damaged about 30 permanent structures and caused a major traffic disruption for a Sunday (the 2nd) as the Garden State Parkway was closed for 12 hours. It was the first time in 17 years that a wildfire destroyed a year-round home. Four firefighters were injured fighting the blaze. The fire was spotted about 1 p.m. EDT on the 2nd. Gusty northwest winds of between 30 and 40 mph as well as very low relative humidity levels (around 20 percent) helped spread the fire quickly. The fire began near Jake's Branch (a tributary of the Toms River) just southeast of County Route 530 in Berkeley Township. An illegal campfire (no permits were issued) was lit the night before as part of a birthday celebration. Three suspects allegedly left the scene without extinguishing the fire during the late morning of the

Storm Data and Unusual Weather Phenomena

June 2002

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

Ocean County

**Cedar Run to
Bayville**

**06 1620EST
1830EST 0 0 Flash Flood**

Thunderstorms also produced very heavy rain and caused poor drainage and stream flooding across the southern half of Ocean County. Doppler Radar Storm total estimates reached between three and four inches. Hardest hit were Berkeley and Stafford Townships. In Stafford Township, eight roads were closed in the Ocean Acres area. Several homes were flooded. The emergency room in the Southern Ocean County Hospital was damaged when an internal drain pipe burst. The ceiling collapsed above a nurse station. No one was injured. In Berkeley Township, three roadways were closed including U.S. Route 9. Vehicles were stranded on the roadways.

Cumberland County

**Bridgeton to
Vineland**

**06 1630EST
1650EST 0 0 Thunderstorm Wind (G52)**

A severe thunderstorm knocked down several trees across Cumberland County. The combination of wind and lightning caused about 28,000 Conectiv Energy customers throughout southeast New Jersey to lose power that afternoon and evening. Vineland electric also reported about 1,200 of its customers lost power. In Upper Deerfield Township, three to four large trees fell down. In Bridgeton, wires were pulled down on Penn Street. One large tree was knocked down in Port Norris. In Vineland, downed limbs had to be cleared from seven city blocks.

Cape May County

Ocean City

06 1650EST 0 0 Hail(0.75)

Gloucester County

**Newfield to
Clayton**

**06 1658EST
1708EST 0 0 Thunderstorm Wind (G52)**

A severe thunderstorm knocked down a 100-year-old oak tree in Newfield Borough. The downed tree blocked a roadway. The same storm tore down large limbs and wires in Clayton Borough. The combination of wind and lightning caused about 28,000 Conectiv Energy customers throughout southern New Jersey to lose power that afternoon and evening.

Atlantic County

Somers Pt

06 1700EST 0 0 0 Lightning

Lightning struck the parking lot of a closed service station in Somers Point. The lightning traveled to the underground gasoline tank. The subsequent explosion created a crater about 50 feet in diameter and 8 to 10 feet deep. No serious injuries were reported.

Atlantic County

Countywide

**06 1700EST
1900EST 0 0 Urban/Sml Stream Fld**

Cape May County

Countywide

**06 1700EST
1900EST 0 0 Urban/Sml Stream Fld**

Cumberland County

Countywide

**06 1700EST
1900EST 0 0 Urban/Sml Stream Fld**

Thunderstorms with heavy rain produced poor drainage flooding across Atlantic, Cape May and Cumberland Counties. Doppler Radar storm total estimates reached between 2 and 3 inches across the counties. In Atlantic County, roads that were flooded included the White Horse Pike (U.S. Route 30) and the Black Horse Pike (U.S. Routes 40 and 322). Half a foot of standing water was reported on the Atlantic City Expressway. In Cape May County, poor drainage flooding reached to vehicles' windows in low lying areas of Woodbine. Ponding of water reached similar depths in Cumberland County. Storm totals included 1.88 inches in Wildwood (Cape May County), 1.75 inches in Seabrook (Cumberland County), 1.70 inches in Absecon (Atlantic County), 1.59 inches at the Atlantic City International Airport and 1.13 inches at Millville.

Atlantic County

**Milmay to
Sweetwater**

**06 1705EST
1730EST 0 0 Thunderstorm Wind (G52)**

A severe thunderstorm knocked down numerous trees, tree limbs and wires across the northwest half of Atlantic County. The combination of wind and lightning caused about 15,000 Conectiv Energy customers in the county to lose power that afternoon and evening. Most were restored by midnight that night, the rest during the day on the 7th.

Cape May County

Countywide

**06 1730EST
1800EST 0 0 Thunderstorm Wind (G50)**

A severe thunderstorm pulled down numerous large tree limbs and wires throughout Cape May County. The combination of wind and lightning caused about 28,000 Conectiv Energy customers throughout southeast New Jersey to lose power that afternoon and evening. All power was restored by the next day.

Storm Data and Unusual Weather Phenomena

June 2002

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

Monmouth County

Holmdel	06	1740EST			0	0	0		Lightning
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A lightning strike hit the gas meter of a Holmdel house. The subsequent fire melted some of its siding. Lightning strikes caused 3,000 Jersey Central Power and Light customers to lose power.

Monmouth County

East Portion	06	1800EST 2000EST			0	0			Flash Flood
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Thunderstorms with heavy rain produced stream and urban flooding mainly across the eastern half of Monmouth County. Doppler Radar storm total estimates reached 3 to 4 inches in the southern part of Monmouth County. New Jersey State Route 36 was closed in Middletown Township. Other municipalities reporting flooding in the county included Deal, Howell, Long Branch, Middletown, Neptune City and Sea Bright. The storm total was 1.82 inches in Belmar and 1.62 inches in Freehold.

Camden County

5 E Atco	10 11	0950EST 0400EST			0	0			Wild/Forest Fire
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A wildfire on June 10th in Wharton State Forest quickly consumed about 746 acres, forced the shutdown of an electric transmission line and the voluntary evacuation of about 100 homes. Students in an after school program in Thomas Richards Elementary School were also evacuated. Other schools held the children until the parents arrived. Electric power was rerouted with minimal interruptions. About 100 firefighters battled the blaze. No homes were damaged and no injuries were reported. The fire was discovered by the Forestry Service at 1050 a.m. EDT. The slow recovery from drought conditions and southeast winds of about 15 mph spread the fire quickly. The fire was contained at 5 p.m. EDT on the 10th and was under control overnight.

Warren County

Still Vly	12	1345EST			0	0			Thunderstorm Wind (G52)
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A severe thunderstorm knocked down several trees in Greenwich Township. One tree fell on and damaged a vehicle. No injuries were reported.

Hunterdon County

Wertsville	12	1425EST			0	0			Thunderstorm Wind (G50)
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A severe thunderstorm pulled down wires and caused power outages in East Amwell Township.

Somerset County

Green Knoll	12	1425EST			0	0			Thunderstorm Wind (G50)
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A severe thunderstorm pulled down wires and caused power outages in Bridgewater Township.

Middlesex County

South Plainfield	12	1445EST			0	0			Thunderstorm Wind (G50)
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A severe thunderstorm tore down several large limbs in South Plainfield Borough. The fallen limbs littered a couple of back streets.

NJ2014-023>026

Eastern Monmouth - Western Cape May - Eastern Cape May - Eastern Atlantic - Eastern Ocean

14	2130EST	0	0						
15	0000EST								Coastal Flooding

The combination of a high pressure system building over New England and the Canadian Maritimes and a low pressure system moving northeast along the Middle Atlantic coastal waters produced some isolated tidal flooding the late evening of the 13th and more widespread, but still minor, tidal flooding during the late evening of the 14th. The high tide on the 14th at Sandy Hook reached 6.97 feet above mean lower low water and at Cape May Harbor reached 6.95 feet above mean lower low water. Minor tidal flooding begins at 6.7 feet above mean lower low water.

Monmouth County

Bradley Beach	16	1645EST			1	0	0	0	Rip Currents
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A 31-year-old man drowned while trying to rescue his daughter and son and two other children who were caught in a rip current on the Brinley Avenue Beach in Bradley Beach. A second 19-year-old man who also was trying to help was rescued. The children made it to shore themselves, but the father also was caught by the rip current. His body was found at 7 p.m. EDT. M311W

Burlington County

Delran	19	0829EST			0	0			Hail(0.75)
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Burlington County

Willingboro to Timbuctoo	19	0835EST 0840EST			0	0			Hail(0.75)
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Burlington County

Timbuctoo	19	0840EST			0	0			Thunderstorm Wind (G50)
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A severe thunderstorm dropped penny size hail from Delran northeast through Willingboro and Westampton Townships. The severe thunderstorm also pulled down a couple of trees and several tree limbs in Westampton Township.

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>NEW JERSEY, South and Northwest</u>									
Camden County Somerdale to Glendale	19	1510EST			0	0			Hail(0.75)
	Penny size hail fell in Voorhees Township and Somerdale.								
Camden County Camden to Cherry Hill	19	1528EST 1538EST			0	0			Hail(1.75)
	A severe thunderstorm dropped golf ball size hail in Camden at Cooper Hospital. Farther to the southeast, the same storm dropped penny size hail in Cherry Hill.								
Burlington County Marlton to Mt Laurel	19	1542EST 1557EST			0	0			Hail(1.75)
	A severe thunderstorm dropped hail as large as golf balls in Marlton (Evesham Township). Farther to the north smaller hail fell in Maple Shade (marble size) , Mount Laurel (penny size) and Hainesport (pea size).								
Camden County Somerdale	19	1610EST			0	0			Hail(1.00)
Burlington County Marlton	19	1615EST 1815EST			0	0			Flash Flood
	Thunderstorms also produced very heavy rain across Evesham Township and caused poor drainage and stream flooding. Vehicles were flooded up to their chassis at the Marlton Traffic Circle (intersection of New Jersey State Routes 73 and 70). Doppler Radar storm total estimates reached between 2 and 3 inches in the township, most of which fell in about an hour.								
Camden County Countywide	19 20	1625EST 0540EST			0	0			Flood
	Thunderstorms also dropped very heavy rain across central and northwest Camden County. Doppler Radar storm total estimates reached between 4 and 6 inches in the central part of the county. This caused considerable stream, urban and poor drainage flooding. Flooding was reported at the Berlin Traffic Circle and at the intersection of New Jersey State Route 38 and Cuthbert Boulevard in Cherry Hill Township. The Cooper River at Haddonfield was above its 2.8 foot flood stage from 829 p.m. EDT on the 19th through 640 a.m. EDT on the 20th. It crested at 3.45 feet at 1245 a.m. EDT on the 20th. Storm totals included 2.80 inches in Somerdale and 2.60 inches in Cherry Hill.								
Gloucester County Southeast Portion	19	1710EST 2030EST			0	0			Flash Flood
	Slow moving thunderstorms with heavy rain dropped a Doppler Radar estimated three to four inches of rain within two hours across extreme southeast Gloucester County affecting Monroe Township the most. This caused poor drainage and stream flooding. The Black Horse Pike (U.S. Route 322) was closed in Monroe County. Flooding also spread into a couple of homes in the township. No serious injuries were reported.								
NJ2009>010-012>013-015>023	Hunterdon - Somerset - Middlesex - Western Monmouth - Mercer - Salem - Gloucester - Camden - Northwestern Burlington - Western Ocean - Cumberland - Western Atlantic - Western Cape May								
	24 27	0900EST 1900EST			0	0			Excessive Heat
	The first prolonged period of heat and humidity of the season affected most of central and southern New Jersey for most of the work week of June 24th. Even the shore reached into the 90s on Monday the 24th as winds were blowing offshore. A strong cold frontal passage during the evening of the 27th ended the hot spell. Highest temperatures included 96 degrees in Beach Haven (Ocean County), 95 degrees at the Marina within Atlantic City and Margate (Atlantic County) and New Lisbon (Burlington County), 94 degrees at the Atlantic City International Airport, in Mount Holly (Burlington County), Somerville (Somerset County), West Deptford (Gloucester County) and Freehold (Monmouth County), 93 degrees in Seabrook (Cumberland County), New Brunswick (Middlesex County) and Flemington (Hunterdon County) and 92 degrees in Wildwood (Cape May County) and Millville (Cumberland County).								
Burlington County Cinnaminson to Lumberton	24	1530EST			0	0			Thunderstorm Wind (G50)
	A severe thunderstorm tore down several large trees, numerous tree limbs and wires in Cinnaminson, Lumberton, Moorestown and Mount Laurel. PSE&G reported about 6,300 of its customers lost power.								
Burlington County Hainesport	24	1535EST			0	0	50K	0	Lightning
	Lightning struck a home in Hainesport during the afternoon of the 24th. The subsequent fire damaged the front of the first floor and								

Storm Data and Unusual Weather Phenomena

June 2002

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

NEW JERSEY, South and Northwest

the basement and rendered the house uninhabitable. No serious injuries were reported.

Burlington County

Willingboro	24	1655EST			0	0	Thunderstorm Wind (G50)
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A severe thunderstorm pulled down large limbs and wires in Willingboro Township.

Burlington County

Chatsworth	24	1700EST			0	0	0 Lightning
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Lightning strikes knocked out power to about 10,000 Conectiv Energy customers in the Chatsworth-Tabernacle area in Burlington County and the Ship Bottom area of Ocean County.

Ocean County

Ship Bottom	24	1730EST			0	0	0 Lightning
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Ocean County

Beach Haven	24	1930EST			0	0	0 Lightning
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Lightning strikes knocked out power to about 10,000 Conectiv Energy customers in the Chatsworth-Tabernacle area in Burlington County and the Ship Bottom area of Ocean County between 6 p.m. and 630 p.m. EDT. Subsequent lightning strikes knocked out power to about 3,600 Conectiv Energy customers in Beach Haven around 830 p.m. EDT.

Warren County

Johnsonburg	26	1424EST			0	0	Hail(0.88)
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A severe thunderstorm dropped dime to nickel size hail in Blairstown and Frelinghuysen Townships.

Sussex County

Greendell	26	1437EST			0	0	Thunderstorm Wind (G52)
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A severe thunderstorm tore down trees and power lines in Greendell (Green Township).

Warren County

Great Meadows	26	1440EST			0	0	Thunderstorm Wind (G52)
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A severe thunderstorm tore down trees and power lines in the Great Meadow area of Independence Township and also some other trees and wires in Greenwich and Frelinghuysen Townships.

Sussex County

Hamburg	26	1508EST			0	0	Thunderstorm Wind (G52)
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A SKYWARN spotter reported that a severe thunderstorm tore down trees in Hamburg Borough.

Morris County

Mt Freedom to Hibernia	26	1555EST			0	0	Hail(0.75)
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Pea to dime size hail fell in Randolph and Rockaway Townships.

Hunterdon County

Countywide	27	1547EST 1630EST			0	0	Thunderstorm Wind (G61)
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Hunterdon County

Ludlow Asbury	27	1600EST 1700EST			0	0	Urban/Sml Stream Fld
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A severe thunderstorm hammered Hunterdon County during the late afternoon of the 27th. Wind damage was reported in Bethlehem, Delaware, Raritan, Readington, Tewksbury and Union Townships. In Readington Township, a church steeple was toppled by the wind and fell through the roof leaving a 30 foot hole in the church. In addition, water damage occurred as heavy rain fell. In Union Township, the metal roof of a barn was torn away. In Raritan Township, two homes and one vehicle were damaged by fallen trees. In Franklin Township, numerous trees were knocked down in the same direction in the Quakertown section. Roads were closed by downed trees in Delaware Township. The heavy rain caused a mudslide that closed the intersection of 643 and 173 in Bethlehem Township. Jersey Central Power and Light reported about 11,000 of its customers lost power with Hunterdon County the hardest hit.

Somerset County

Central Portion	27	1635EST 1645EST			0	0	Thunderstorm Wind (G52)
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A severe thunderstorm knocked down numerous trees and wires across the central part of Somerset County. It hit Bound Brook Borough the hardest. In Bound Brook, about 30 trees were uprooted, a dozen of which blocked roadways. Two vehicles were badly damaged by fallen trees as was one garage. Two houses suffered minor damage from fallen trees. In Somerville and Raritan, sections of U.S. Route 202 were closed because of fallen tree limbs and wires. Jersey Central Power and Light reported about 11,000 of its customers lost power in New Jersey.

Storm Data and Unusual Weather Phenomena

June 2002

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

Somerset County

Bound Brook	27	1645EST			0	0	2K	0	Lightning
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Somerset County

South Bound Brook	27	1650EST			0	0		0	Lightning
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Lightning struck and damaged a couple of homes and apartments in Bound Brook and South Bound Brook Boroughs. In South Bound Brook, a lightning strike caused a roof fire. In Bound Brook, a lightning strike fried a home's attic fan. Another lightning strike damaged a house's chimney.

Warren County

Still Vly	27	1815EST			0	0			Thunderstorm Wind (G52)
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A line of severe thunderstorms downed trees and power lines in Greenwich Township and caused further damage farther south in Hunterdon County.

Hunterdon County

Countywide	27	1820EST 1855EST			0	0			Thunderstorm Wind (G52)
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The second severe thunderstorm of the day knocked over additional trees and wires throughout Hunterdon County. A trained SKYWARN Spotter reported downed trees in Pittstown (Franklin Township). A second SKYWARN Spotter reported a peak wind gust of 55 mph at White House Station. The Hunterdon County office of emergency management received about 400 weather related phone calls from both thunderstorms.

Somerset County

Neshanic to North Plainfield	27	1857EST 1907EST			0	0			Thunderstorm Wind (G52)
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The second severe thunderstorm of the day pulled down additional trees and wires down in Franklin Township, Hillsborough Township and North Plainfield Borough.

Mercer County

Countywide	27	1900EST 1920EST			0	0			Thunderstorm Wind (G52)
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A line of severe thunderstorms knocked down trees and wires throughout parts of Mercer County.

Somerset County

Bound Brook	27	1915EST			0	0		0	Lightning
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A lightning strike punched a hole in the roof of a Bound Brook home.

NEW MEXICO, Central and North

NMZ001

Northwest Plateau

01		0000MST			0	0			Drought
30		2359MST							

Heat and dryness dominated throughout the month with only the northeast sections of the state receiving any soaking rain from scattered strong thunderstorms. Elsewhere dry thunderstorms, especially those about mid-month sparked numerous wildfires some of which were fanned into large complex fires by hot and gusty afternoon winds. At least ten major fires were recorded which consumed nearly 200,000 acres. Some mountain homes were lost but the main concern was for damage to watersheds and wildlife habitat. Smaller lightning caused fires numbered well over 100. Most national forests were closed to public access and use later in the month. A brief period of rain and higher humidity towards the last week of the month slowed the fires and allowed crews to make substantial headway with containment.. The second half of the month was also noted for the extensive smoke which poured into western and central sections of the state from wildfires to the west in Arizona. Lingering smoke and haze reduced visibilities to 5-10 miles compared to usually conditions of 40-60 miles. Dryness and the lowest river levels in decades forced reduced irrigation and city water restrictions.

Curry County

Clovis	02	2000MST 2100MST			0	0	40K		Lightning
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A strong thunderstorm over Clovis yielded 1 to 2 inches of rain over some sections of the city, but it also produced at least 5 lightning fires that destroyed several barns and storage buildings and caused a 400 acre grassfire.

Guadalupe County

15 N Santa Rosa	04	1250MST			0	0			Hail(1.00)
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Guadalupe County

17 W Santa Rosa	04	1250MST			0	0			Hail(1.00)
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Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>NEW MEXICO, Central and North</u>									
Guadalupe County									
7 NE Newkirk	04	1525MST			0	0			Hail(1.75)
San Miguel County									
Conchas Dam	04	1540MST 1600MST			0	0			Hail(1.75)
Quay County									
Logan	04	1608MST			0	0			Hail(2.00)
Quay County									
7 NE Logan	04	1620MST			0	0			Funnel Cloud
Curry County									
5 N Clovis	12	1429MST			0	0			Hail(0.75)
Curry County									
Clovis Arpt	12	1435MST			0	0			Thunderstorm Wind (G50) ^M
Curry County									
6 SW Pleasant Hill	12	1437MST			0	0			Hail(1.75)
Curry County									
6 SW Pleasant Hill	12	1437MST			0	0			Thunderstorm Wind (G61)
Union County									
10 N Gladstone	13	1447MST			0	0			Hail(0.75)
Colfax County									
12 NE Abbott	13	1450MST			0	0			Hail(1.00)
Colfax County									
15 NE Abbott	13	1558MST			0	0			Hail(0.75)
Harding County									
5 N Mills	13	1540MST			0	0			Hail(0.88)
Colfax County									
20 S Raton	13	1708MST			0	0			Hail(0.75)
Colfax County									
5 NE Abbott	13	1842MST			0	0			Hail(0.75)
Several large thunderstorms, all of them copious hail producers, moved across south central Colfax County into northwest Harding and western Union counties. The storm that began northwest of Springer during mid-afternoon moved east across Interstate 25 just north of Springer and then turned a little southeast dumping tons of hail over the open range north of State Road 56. Ice covered the ground 6 to 12 inches over a wide region creating the appearance a winter snow storm. Highway road crews spent hours removing and hauling hail. Hail in Chico Creek east of Springer filled the arroyo 12 to 14 feet deep and then was measured 2 feet higher than the two and half foot guard rail at Highway 56. Ice was still present in the arroyo 3 weeks after the event									
Colfax County									
12 N Cimarron	14	1345MST 1410MST			0	0			Hail(1.25)
Colfax County									
6 N Maxwell	14	1427MST			0	0			Funnel Cloud
Colfax County									
2 N Maxwell	14	1447MST			0	0			Hail(1.75)
Colfax County									
1 N Springer	14	1455MST			0	0			Hail(1.00)
Colfax County									
2 N Springer	14	1515MST			0	0			Hail(1.75)
Golfball hail reported 6 inches deep on Interstate 25 north of Springer.									
Sandoval County									
Rio Rancho	14	1605MST 1614MST			0	0			Hail(0.75)

Storm Data and Unusual Weather Phenomena

June 2002

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

Bernalillo County

Albuquerque	14	1620MST 1650MST			0	0			Hail(1.75)
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A strong thunderstorm developed over south central Sandoval County and then moved southeast over sections of Rio Rancho with small hail and then into downtown Albuquerque and the southeast neighborhoods where it increased with golfball hail and brief heavy rain.

Sandoval County

Rio Rancho	14	1605MST 1610MST			0	0			Thunderstorm Wind (G55)
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Bernalillo County

Albuquerque	14	1619MST			0	0			Hail(1.75)
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Bernalillo County

Albuquerque	14	1635MST			0	0			Hail(0.88)
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A strong thunderstorm with gusty winds that downed several utility poles in southern Sandoval County moved south into downtown Albuquerque where it produced a brief burst of large hail. The storm then turned or developed eastward with smaller hail and heavy rain that move east along the old Route 66 or Central Avenue section of the city.

Harding County

4 W Mills	14	1620MST			0	0			Hail(1.00)
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Harding County

Roy	14	1645MST			0	0			Hail(1.00)
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Harding County

8 SE Roy	14	1701MST			0	0			Hail(0.75)
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Quay County

5 S Tucumcari	14	1923MST			0	0			Hail(0.75)
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Quay County

Tucumcari Arpt	14	1924MST			0	0			Thunderstorm Wind (G66) ^M
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Harding County

2 S Roy	14	1931MST			0	0			Hail(1.00)
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Harding County

2 SE Roy	14	1933MST			0	0			Thunderstorm Wind (G61)
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San Miguel County

Conchas Dam	16	1728MST			0	0			Hail(0.75)
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San Miguel County

Conchas Dam	16	1728MST			0	0			Hail(0.88)
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Hail to nickel size covered the ground at Conchas Lake.

Union County

Pasamonte	16	1750MST			0	0			Hail(1.00)
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Harding County

7 E Bueyeros	16	1840MST			0	0			Hail(1.00)
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Curry County

Melrose to 3 N Melrose	16	1945MST			0	0			Hail(1.00)
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Curry County

Melrose	16	1946MST			0	0			Hail(0.88)
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Curry County

Melrose to St Vrain	16	1950MST 2010MST			0	0	300K		Thunderstorm Wind (G60)
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Curry County

5 E Melrose	16	2000MST	0.1	50	0	0			Tornado (F0)
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Several strong thunderstorms combined over northwest Curry County and swept southward over western sections of the county with strong winds and at least one small tornado. About 70 power and utility poles were blown over east of Melrose.

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<u>NEW MEXICO, Central and North</u>									
Santa Fe County									
Cerrillos	20	1302MST			0	0			Hail(0.75)
De Baca County									
Taiban	20	1314MST			0	0			Hail(0.88)
Mora County									
Holman	20	1335MST			0	0			Hail(0.75)
De Baca County									
6 S Ft Sumner	20	1340MST			0	0			Hail(1.50)
De Baca County									
7 SE Ft Sumner	20	1345MST			0	0			Hail(1.00)
Guadalupe County									
Cuervo	20	1350MST			0	0			Hail(0.75)
Mora County									
Ojo Feliz	20	1417MST			0	0			Hail(0.88)
De Baca County									
17 S Ft Sumner	20	1447MST			0	0			Hail(0.75)
De Baca County									
17 S Ft Sumner	20	1500MST			0	0			Hail(1.25)
De Baca County									
5 S Ft Sumner	20	1500MST			0	0	100K		Hail(0.88)
De Baca County									
15 S Ft Sumner	20	1530MST			0	0	150K		Hail(1.00)
A thunderstorm with heavy rain and hail caused extensive damage to hay and other agricultural crops south of Fort Sumner. Several ranch roads were deeply cut by runoff and a set of water and gas lines were uprooted.									
Colfax County									
2 W Springer	20	1505MST			0	0			Hail(0.75)
Colfax County									
Raton	20	1515MST			0	0			Hail(0.88)
Chaves County									
Roswell	20	1613MST			0	0			Thunderstorm Wind (G54) ^M
Chaves County									
20 NW Elkins	20	1630MST			0	0			Hail(0.75)
Harding County									
Roy	20	1620MST			0	0			Hail(0.75)
Santa Fe County									
Glorieta	22	1515MST			0	0			Hail(1.00)
Curry County									
1 W Pleasant Hill	24	1645MST			0	0			Hail(0.75)
Curry County									
5 N Clovis	24	1655MST			0	0			Hail(1.00)
Curry County									
Clovis	24	1725MST			0	0			Hail(0.75)
Three-quarter inch size hail covered the ground nearly 2 inches deep in Clovis.									
Roosevelt County									
7 S Portales	26	2010MST			0	0			Hail(0.88)
Curry County									
Clovis	26	2015MST			0	0	20K		Thunderstorm Wind (G55)
Power lines and several poles were blown down in southwest Clovis.									

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
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NEW MEXICO, South Central and Southwest

Sierra County

15 S Hillsboro	14	1400MST 1420MST			0	0	5K		Hail(1.00)
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A severe thunderstorm produced hail up to quarter size which accumulated to a depth of 8 inches in Lake Valley. The weight of the hail partially collapsed the roof of a new home in the area.

NEW MEXICO, Southeast

Eddy County

Carlsbad	09	1235MST 1243MST			0	0	25K	0	Thunderstorm Wind (G62) ^M
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A severe thunderstorm produced a microburst over the south side of Carlsbad. Local media reported part of the roof of a local convenience store was destroyed.

Lea County

Eunice	09	1628MST			0	0	0	0	Thunderstorm Wind (G52)
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Thunderstorms resulted in severe wind gusts across parts of southeast New Mexico during the afternoon of the 9th. The most significant damage was in the south parts of Carlsbad.

Lea County

15 W Jal to 19 W Jal	13	1510MST 1512MST			0	0	0	0	Hail(1.00)
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A severe storm produced up to quarter size hail west of Jal. This was an isolated severe thunderstorm associated with a very active event in areas of West Texas.

Eddy County

6 S Carlsbad	19	1729MST			0	0	0	0	Thunderstorm Wind (G56) ^M
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Lea County

24 NW Jal	19	1730MST			0	0	0	0	Hail(0.75)
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Lea County

17 NW Jal to 24 NW Jal	19	1800MST 1900MST			0	0	0	0	Thunderstorm Wind (G52)
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A resident of this area of Lea County reported what he described as the "weirdest weather he has seen in the last 40 years." During the course of a one hour period, ten separate events of wind...each reaching as high as 60 mph occurred. Each of these events seemed to originate near a location called Antelope Ridge

Eddy County

North Portion	20	2135MST 2225MST			0	0	0	0	Flash Flood
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Numerous reports of flash flooding were received from the area around Artesia. Most of the reports from the city of Artesia proper were associated with flash flooding along Eagle Creek. Highway 2 was closed north of Artesia near the Eddy/Chavez County line along Walnut Creek.

NEW YORK, Central

Tompkins County

Groton	05	1815EST			0	0	150K		Thunderstorm Wind (G50)
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Numerous trees and a few wires downed. The Groton Rural Cemetery had a large number of huge old trees fall down. The largest monument in the cemetery received damage when the obelisk topping it fell off. It broke into three pieces when it hit the ground. An estimate for the repair was more than \$100,000. A tree fell onto a house. Another tree fell onto a gazebo.

Cortland County

Cortland to Freetown Corners	05	1815EST 1820EST			0	0	10K		Thunderstorm Wind (G50)
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Trees and wires down in Cortland Estates mobile home park. Also a tree down at the intersection of Route 13 and East Homer Avenue in the town of Homer. Trees were also downed in the town of Solon and Freetown.

Cortland County

Cortland	05	1815EST			0	0	1K		Lightning
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Lightning struck the stop light at the intersection of North Main and West Main.

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>NEW YORK, Central</u>									
Tioga County									
Nichols	05	1815EST			0	1			Lightning
Women struck by lightning.									
Cortland County									
Cortland	05	1818EST			0	0			Hail(0.75)
Broome County									
2 W Castle Creek	05	1830EST			0	0			Hail(0.75)
Cortland County									
Cortland	05	1830EST			0	0			Urban/Sml Stream Fld
Route 215 flooded due to heavy thunderstorm rains.									
Tompkins County									
Groton	05	1830EST			0	0	5K		Urban/Sml Stream Fld
Road washouts due to heavy thunderstorm rain.									
Cortland County									
Freetown Corners	05	1830EST			0	0			Hail(0.75)
Broome County									
Triangle	05	1830EST			0	0	5K		Urban/Sml Stream Fld
A mudslide due to heavy thunderstorm rain blocked a portion of road at East Hill and Merrill Creek Roads.									
Tioga County									
Barton	05	1835EST			0	0	2K		Thunderstorm Wind (G50)
Trees down.									
Chenango County									
Norwich	05	1835EST			0	0	1K		Lightning
Lightning struck a house in the city of Norwich causing a water pipe to burst.									
Chenango County									
Norwich	05	1835EST			0	0	5K		Urban/Sml Stream Fld
Heavy rain from a thunderstorm caused a street closing, the sewer to back up, and a man hole cover to lift in the city of Norwich.									
Otsego County									
Pittsfield	05	1840EST			0	0	10K		Thunderstorm Wind (G50)
Roof blown off of a barn from strong thunderstorm winds.									
Chenango County									
1 S Bainbridge to 1 SW Bainbridge	05	1855EST 1910EST	1.1	300	0	0	50K		Tornado (F0)
The tornado initially touched down at the electric generating substation south of the village, on state route 7. Numerous large trees and power lines were downed. The tornado continued in a northeast direction across the Susquehanna River, to county road 39. Here a small barn was flattened and numerous large hardwood trees were sheared off or had limb broken. A tree fell across two cars. One very large, healthy limb fell across the roof of a house causing significant damage. Many smaller buildings were destroyed. The tornado then continued northeast, shearing off more tree limbs, before reaching interstate 88. An eyewitness there backed up his pickup to get out of the way of the tornado. After crossing I-88, more tree damage was evident for about 200 yards. The damage path became more diffuse before it crossed state route 206, where it quickly dissipated. Many trees and wires were downed along the entire route. The total path length was about 1.1 miles. The most intense damage was within the first 0.7 miles. The maximum width of the damage was about 300 yards, with the core damage from the tornado around 75 yards.									
Broome County									
Endwell to Binghamton	05	1855EST 1920EST			0	0	15K		Thunderstorm Wind (G50)
Tree down on a house in Vestal. Tree down on house in Endwell. Also numerous other trees down in Endwell. A large branch fell onto the roof of a porch collapsing it on the west side of Binghamton.									
Otsego County									
Milford to Oneonta	05	1900EST			0	0	3K		Thunderstorm Wind (G50)
Trees down in Milford. Tree down in Oneonta.									
Chenango County									
Coventry	05	1900EST			0	0	10K		Urban/Sml Stream Fld

Storm Data and Unusual Weather Phenomena

June 2002

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

Heavy thunderstorm rains closed approximately 3 and a half miles of state route 235 from county route 30 (Long Hill Road) south to Davey Road. The road was undermined because of damage to the Wylie Brook culvert.

Otsego County

Unadilla	05	1915EST			0	0	2K		Thunderstorm Wind (G50)
Trees down.									

Delaware County

Sidney	05	1930EST			0	0	5K		Thunderstorm Wind (G50)
Trees and wires down.									

Delaware County

Davenport	05	1930EST			0	0	5K		Thunderstorm Wind (G50)
Trees down. One tree fell on a car.									

NYZ056

Broome

07	0400EST	1500EST			0	0			Flood
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The Susquehanna River at Conklin rose slightly above its flood stage of 11 feet. The river at Conklin crested at 11.12 feet at 6:30 AM EST. The Susquehanna River at Bainbridge, Vestal and Waverly/Sayre also rose sharply but crested just below their respective flood stages. The rises were caused by localized thunderstorms with heavy rain on June 4th, followed by more thunderstorms with a cold front on June 5th. On the 5th these thunderstorms dropped one to four inches of rain along the north branch of the Susquehanna River above Conklin. Steady rain fell on the 6th but most amounts were less than half an inch. This rain the first week of June fell on an already moist ground from rain the week before.

Onondaga County

North Portion	14	0930EST			0	0	2M		Flash Flood
1800EST									

Heavy thunderstorm rains caused flash flooding across northern Onondaga County. Rain started before 6 AM reaching its greatest accumulations of generally half an inch to an inch an hour between 9 AM and noon. During the afternoon it tapered off becoming scattered and less intense. Radar rainfall estimates exceeded 5 inches in a narrow band. Rain spotters in northern Onondaga County and an ASOS at the Syracuse airport in North Syracuse all had between 2 and 4 inches of rain. No spotters were in the area of worst flooding in Baldwinsville. In the village of Baldwinsville Tannery Creek overflowed. A state of emergency was declared at 1 PM. This shut down all of the streets in the entire village. Water in the streets was two to three feet deep. Water flooded an estimated 80 homes. Some of the homes had water filling their basements and into the first floor. 6 houses suffered major damage. A bowling alley in Baldwinsville suffered major water damage. The bowling alley was recently renovated and worth more than a million dollars. During the morning an eight block area was evacuated. The area was bordered by Route 31, Virginia Street, East Oneida Street, and Mechanic Street. Fires departments across the area were called in to assist local officials pumping cellars and businesses. They also sandbagged buildings to keep the water out. Elden elementary school closed early due to a leaky roof and high water. Other flooding was reported in Lysander, Clay, Liverpool, North Syracuse, and Cicero. Route 370 was closed in Lysander due to high water. In Clay, a plugged catch basin flooded a ballpark and Caughdenoy Road. Nearby streets had as much as two feet of water on them. Also in Clay high water was on roads including Route 31 and in Cold Springs. In Liverpool, the basement of Mother's Restaurant flooded. In North Syracuse, many roads had water on them but none had to be closed. In the town of Cicero, east Gillette Road, and Hogan Road were closed due to flooding. Also Beach Road and Thompson Road were flooded

Onondaga County

Skaneateles	15	1640EST			0	0	1K		Lightning
Lightning struck the rear entryway and deck of a house in the village of Skaneateles. The lightning started a fire which was quickly extinguished by firefighters.									

Tompkins County

Groton	15	1730EST			0	0	5K		Thunderstorm Wind
Strong thunderstorm winds downed wires.									

Onondaga County

Syracuse	15	1730EST			0	0	20K		Lightning
Lightning struck the roof and chimney of a three story apartment building. Bricks flew as far as 100 feet. These flying bricks broke building and car windows across the street at Hiawatha Used Cars, bore holes in the roof of another building, and dented the siding of Tucci Furniture across the street. The lightning knocked out a window and partially collapsed a ceiling on the third floor. The seven families in the building had to find somewhere else to stay until the building was repaired.									

Tompkins County

Groton	15	1730EST			0	0	2K		Urban/Sml Stream Fld
Heavy thunderstorm rains caused minor road flooding.									

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>NEW YORK, Central</u>									
Tompkins County									
Groton	15	1730EST			0	0			Hail(0.75)
Chenango County									
Bainbridge to Afton	23	1757EST			0	0	2K		Thunderstorm Wind (G50)
			Trees down in Afton and Bainbridge.						
Broome County									
Windsor	23	1830EST			0	0	1K		Thunderstorm Wind (G50)
			Trees down on route 79 in Ouaquaga.						
Delaware County									
Walton	23	1835EST			0	0	1K		Lightning
			Lightning hit a house doing some damage.						
Delaware County									
Walton	23	1835EST			0	0	1K		Thunderstorm Wind (G50)
			Trees down.						
Otsego County									
Oneonta	25	1530EST			0	0	2K		Lightning
			Lightning struck a utility pole at the Pony Farm Industrial Park setting it on fire. The lightning downed wires on the pole causing an outage to 4860 customers from Oneonta to Unadilla. A trailer on Oneida Street was also struck by lightning						
Delaware County									
Delhi	25	1550EST			0	0	1K		Thunderstorm Wind (G50)
			Strong thunderstorm winds downed a tree.						
Broome County									
Vestal to Deposit	25	1820EST 1920EST			0	0	10K		Thunderstorm Wind (G50)
			Trees down in Vestal, Port Crane, Sanitaria Springs, and Deposit. Trees and wires down in the town of Fenton.						
Broome County									
4 SE North Fenton	25	1850EST			0	0			Hail(1.00)
Broome County									
Port Crane to North Fenton	25	1850EST 1920EST			0	0	10K		Flash Flood
			Road washout in the town of Fenton. Partial road washouts in Port Crane and Sanitaria Springs.						
Sullivan County									
Woodbourne to Summitville	26	1315EST 1330EST			0	0	5K		Thunderstorm Wind (G50)
			Power lines and trees down in Woodbourne and Summitville. Power lines and trees down also in Fallsburg at 1315 EST.						
Cayuga County									
Auburn to Sennett	26	1415EST 1420EST			0	0	30K		Lightning
			Lightning struck the jail and the sheriff's department in Sennett knocking out 911 service briefly. This strike damaged the radio tower. Another lightning strike hit the Auburn Police Department's transmitter.						
Oneida County									
Taberg	26	1520EST			0	0	5K		Lightning
			Lightning struck a storage trailer on Yorkland Road in the town of Taberg. The lightning started a fire which destroyed the trailer.						
Oneida County									
Hawkinsville	26	1600EST			0	0	2K		Thunderstorm Wind (G50)
			Downed trees and power lines.						
Steuben County									
Sonora	26	1750EST			0	0	2K		Thunderstorm Wind (G50)
			Trees down. Half inch hail fell.						
Cayuga County									
Locke to Moravia	26 27	1845EST 0200EST			0	0	10K		Lightning

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>NEW YORK, Central</u>									
Tompkins County									
Countywide	26 27	1845EST 0200EST			0	0	2K		Lightning
Lightning caused damage to several substations and transformers knocking out power to 2400 customers.									
Chemung County									
Erin	26	1855EST			0	0			Hail(0.75)
Chemung County									
Erin to Van Etten	26	1855EST 1900EST			0	0	3K		Thunderstorm Wind (G50)
Numerous trees downed or snapped over. Power lines downed.									
Tioga County									
Spencer	26	1908EST			0	0			Hail(0.75)
Chenango County									
Smithville Flats	26	1955EST			0	0	5K		Thunderstorm Wind
Numerous trees and wires down. The trees were down in a broken line perpendicular to and crossing Ridge Road and Route 220. A farmhouse, truck, and car on Ridge Road received damage.									
Steuben County									
Countywide	26 27	2200EST 0300EST			0	0	50K		Flash Flood
Heavy thunderstorm rains caused flooding across the county. Numerous thunderstorms dropped two to four inches of rain from Hornell to Bath in the previous 6 hours. Most of the rain fell in an even shorter period of time. Numerous roads were washed out, flooded, and/or closed. Some of the closed roads were state and county roads. The towns that were the hardest hit were Hornellsville, Fremont, and Howard. The city of Hornell was also hard hit. Almond Lake Dam was backing up 5 feet of water an hour. It is believed the runoff inflow at this time may have exceeded the runoff inflow associated with Agnes of June 1972.									
Onondaga County									
Clay	27	1305EST			0	1	1K		Lightning
Lightning struck a house on Oswego Road. A teenager was treated and released for minor injuries at a local hospital.									
Oneida County									
Sylvan Beach to Westmoreland	27	1340EST 1400EST			0	0	10K		Thunderstorm Wind (G60)
Trees and power lines downed in Sylvan Beach, Oneida Castle, Marcy, Whitestown, Annsville, Verona, Floyd, and Westmoreland.									
Madison County									
Bridgeport to Oneida	27	1343EST 1353EST			0	0	15K		Thunderstorm Wind (G60)
Trees and wires downed in Bridgeport, Lakeport, Canastota, and Oneida.									
Oneida County									
Westmoreland	27	1400EST			1	1			Lightning
Lightning struck a 31 year old woman and mother of two in the front yard of her home. She was knocked unconscious. She was later pronounced dead at the hospital. Her children were also in the yard at the same time, but only her 5 year old son got struck. He received a first degree burn to his foot. The 6 year old daughter had no injuries. F310U									
Oneida County									
Westmoreland	27	1400EST			0	0	100K	1K	Lightning
Lightning struck a barn on Springhouse Road starting a fire. The fire was not discovered for about 2 hours after the lightning strike. The barn was completely destroyed. 1100 bales of hay were lost. 4 cows died. Other buildings nearby were saved by the firefighters.									
Madison County									
Sullivan	27	1400EST			0	0	20K		Lightning
Lightning struck the roof of a house on Smith Ridge Road. The lightning started a fire that damaged the second floor and roof.									
Oneida County									
Chadwicks	27	1415EST			0	0	10K		Lightning
Lightning struck the Mohawk Ltd. plant on Bleachery Avenue causing an explosion. The lightning strike also caused the fire alarm suppression system to go off.									
Steuben County									
Caton	27	1430EST			0	0	5K		Thunderstorm Wind (G50)

Storm Data and Unusual Weather Phenomena

June 2002

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

Trees and lines down. 2100 electric customers were without power in Steuben County and harder hit adjacent Chemung County.

Chemung County

**Big Flats to
Southport**

27	1445EST 1500EST				0	4	50K		Thunderstorm Wind (G55)
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Strong thunderstorm winds took down a tree on church Street in Elmira. The snapped off 6 feet from the ground. The tree landed on a car parked in a driveway. Four people in the station wagon suffered only minor scrapes from glass when the tree landed on the rear of the car. Musical equipment in the back was smashed. In Big Flats it took down several large trees along Route 352. Some of the trees took down utility lines. A large produce stand was flipped. 2100 customers lost power in Chemung County and adjacent Steuben County.

Chemung County

Big Flats

27	1445EST				0	0			Hail(0.88)
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Steuben County

Countywide

27	1530EST 1800EST				0	0	10K		Flash Flood
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Flooding reported in Rexville, Corning, Caton, and Addison. In Caton, Routes 225 and 34 were flooded. Street flooding was reported in Corning and Addison. In Corning, cars were stuck on Spencer Hill Road. Also in Corning, basement flooding was reported. This flooding was caused by heavy thunderstorm rains. The rain fell on saturated ground due to flooding earlier that day.

Tioga County

Owego

27	1545EST				0	0	10K		Thunderstorm Wind (G50)
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Tree and power pole down on house.

Onondaga County

Syracuse

27	1545EST 1700EST				0	0	20K		Urban/Sml Stream Fld
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Heavy thunderstorm rains caused street and basement flooding. Some cars were under water. Sump pumps in the Hotel Syracuse were overwhelmed. The fire department came in and pumped out a foot of water in the basement and 6 feet of water in the elevator shaft. The rain fell on wet ground from earlier thunderstorms that day in addition to rain from earlier in the week.

Oneida County

**Trenton to
Oriskany**

27	1545EST 1800EST				0	0			Urban/Sml Stream Fld
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Heavy thunderstorm rains caused street flooding in Trenton and Oriskany. Thunderstorms moved through the area during the three hours prior to the onset of the flooding. This fell on ground already wet from thunderstorms the day before.

Oneida County

Trenton

27	1555EST				0	0	1K		Thunderstorm Wind (G50)
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Trees and power lines downed.

Madison County

Oneida

27	1600EST				0	0	20K		Thunderstorm Wind (G50)
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Thunderstorm winds downed large limbs, trees, and lines. One tree fell onto a SUV at the Oneida Animal Hospital.

Madison County

Oneida

27	1600EST 1730EST				0	0	10K		Urban/Sml Stream Fld
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Heavy thunderstorm rains caused street flooding in the city of Oneida. Approximately 9 inches of water was on Farrier Street. The rain fell on wet ground from earlier thunderstorms that day in addition to rain from earlier in the week.

Broome County

**Endicott to
Johnson City**

27	1605EST 1610EST				0	0	1K		Thunderstorm Wind (G50)
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Power lines and trees down.

Oneida County

Utica

28	1330EST 1500EST				0	0	50K		Flash Flood
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Heavy thunderstorm rains again caused street and basement flooding. One to three inches of rain fell in less than two hours. The day before also had flooding after two rounds of thunderstorms dropped heavy rain. This day more than 100 homes had water in their basements. Street flooding was widespread. Water on the streets was as deep as two feet. Some streets were closed. Cars were disabled in the high water. 500 customers lost power.

Storm Data and Unusual Weather Phenomena

June 2002

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

NEW YORK, Coastal

NYZ067>081

Orange - Putnam - Rockland - Northern Westchester - Southern Westchester - New York (Manhattan) - Bronx - Richmond (Staten Is.) - Kings (Brooklyn) - Queens - Nassau - Northwest Suffolk - Northeast Suffolk - Southwest Suffolk - Southeast Suffolk

01	0000EST								
30	2359EST				0	0			Drought

Diligent water conservation practices and a wetter pattern helped ease drought conditions during June, which marked the second consecutive month of above normal precipitation across the region. The lower Hudson River Valley and the Catskill Region received an average of 5.45 inches of rain, which was 147 percent of normal.

At the end of June, a majority of the streams monitored in real time by the U. S. Geological Survey in New York, were classified as having streamflows in the 25 to 74 percentile. Ground water storage was much below normal capacity. On the other hand, lake and reservoir storage continued to improve.

The combined storage in the New York City reservoir system on June 30th was 88.3 percent capacity, which was 7.8 percent below normal. Capacities in the individual reservoirs on June 30th were:

Croton System	95.4% (Percent capacity)
Roundout Reservoir	95.4%
Ashokan Reservoir	80.1%
Schoharie Reservoir	78.1%
Cannonsville Reservoir	90.8%
Pepcaton Reservoir	88.2%
Neversink Reservoir	87.7%

The New York State Department of Environmental Conservation extended the Drought Warning for Long Island, New York City, Rockland and Westchester Counties through June 30th. The Drought Warning for Orange and Putnam Counties was downgraded to a Drought Watch.

NYZ077

Nassau

15	0600EST								
	1800EST				4	0			Rough Seas

As a low pressure system developed southeast of Long Island, northeast winds increased to 20 to 25 knots and seas built to around 8 feet, which was measured by Buoy 44025 (about 20 miles south of Fire Island Inlet).

A 25 foot pleasure boat named "Eleni II" left Jones Inlet at 6:00 am for the Freeport Hudson Anglers Shark Tournament and was last seen at 7:00 am about 12 miles south of Jones Beach. It is presumed that rough seas capsized the boat, which resulted in the drowning deaths of all 4 men. The 4 men on board were all seasoned fisherman, some with more than 30 years experience dedicated to catching big fish.

M40BO, M61BO, M39BO, M46BO

Bronx County

Bronx	26	1305EST							
					0	0			Thunderstorm Wind (G50)

Police reported that several trees were knocked down in the Bronx.

New York County

New York	26	1310EST							
					0	0			Thunderstorm Wind (G52)

Television media reported that strong winds knocked over a 50 foot tree in Washington Heights.

Orange County

Goshen	26	1310EST							
					0	0			Thunderstorm Wind (G50)

Police reported that strong gusty winds knocked down large tree limbs and damaged a house.

Orange County

Montgomery	26	1400EST							
					0	0			Thunderstorm Wind (G50)

Storm Data and Unusual Weather Phenomena

June 2002

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

NEW YORK, Coastal

Spotters reported that strong winds knocked over several trees, that resulted in a disruption of power.

Bronx County

Bronx	26	1420EST			0	0			Flood
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Radio media reported widespread street flooding in the Bronx.

Westchester County

Yorktown	26	1420EST			0	0			Thunderstorm Wind (G50)
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Police reported that strong winds knocked down several trees and power lines.

Putnam County

Carmel	26	1455EST			0	0			Thunderstorm Wind (G50)
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Police reported that strong winds knocked down several trees and power lines.

Westchester County

Yorktown Hgts	26	1510EST			0	0			Thunderstorm Wind (G50)
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Police reported that strong winds knocked over several trees.

Rockland County

New City	26	1610EST			0	0			Thunderstorm Wind (G50)
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Police reported that strong winds knocked down several trees and power lines.

Bronx County

Bronx	26	1635EST			0	0			Thunderstorm Wind (G50)
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Police reported that strong winds knocked down several trees and power lines.

Westchester County

Hartsdale	26	1640EST			0	0			Thunderstorm Wind (G50)
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Police reported that strong winds toppled several trees.

As severe thunderstorms moved across the region, they produced high winds and heavy rain. High winds downed many trees and power lines across the region. Heavy rain produced flash floods in the Bronx.

Nassau County

Bethpage	26	1715EST			0	14	500K		Lightning
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Storm Data and Unusual Weather Phenomena

June 2002

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

NEW YORK, Coastal

Lightning struck St. Paul's Lutheran Church on Stewart Avenue in Bethpage. It quickly ignited a fire that spread from the attic down and caused the roof to collapse. "The Bethpage Fire Chief said 14 fire fighters were injured, half of them during a partial roof collapse. Seven fire fighters hurt in the collapse suffered burns and bruises from falling debris. The others were felled by heat exhaustion. All of these fire fighters were taken to hospitals for treatment. Ten fire departments assisted Bethpage in fighting this fire.

Nassau County

Jericho	26	1715EST			0	0			Thunderstorm Wind (G50)
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Police reported that strong winds knocked over several trees.

Suffolk County

Huntington to Northport	26	1730EST 1740EST			0	0			Thunderstorm Wind (G50)
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A spotter reported an estimated 58 MPH wind gust near the intersection of Route 110 and Jericho Turnpike near Huntington at 6:30 pm. Police reported that strong winds knocked down several trees and power lines in Northport and Melville at 6:40 pm

Suffolk County

Melville	26	1730EST			0	0			Lightning
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Lightning struck an electrical transformer along Route 110 in Melville. It also struck houses in Melville and Deer Park.

As severe thunderstorms moved across the region, they produced high winds, frequent and dangerous lightning strikes, and heavy rain. High winds downed many trees and power lines across the region. The dangerous combination of heavy rain, high winds, and lightning produced flash floods and widespread power outages due to fallen trees and power lines across the northeast Bronx, including City Island. Additionally, at least 4 cars were crushed by fallen trees in the lower Pelham Gardens area.

Putnam County

Mahopac	28	1750EST			0	0			Thunderstorm Wind (G50)
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As a severe thunderstorm moved slowly south, it produced high winds that downed a tree on Route 6N.

Westchester County

Shrub Oak	28	1753EST			0	0			Thunderstorm Wind (G60)
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As a severe thunderstorm moved southeast, it produced high winds that downed numerous trees and wires in the vicinity of Shrub Oak, just southeast of Putnam Valley.

Suffolk County

Eatons Neck	28	1935EST			0	0			Thunderstorm Wind (G67)^M
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As a severe thunderstorm moved southeast, it produced a peak wind gust of 77 mph, measured at the Eaton's Neck U.S.C.G. Station.

Suffolk County

Davis Park	28	2000EST			0	0			Thunderstorm Wind (G60)
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As a severe thunderstorm moved southeast, it produced high winds that damaged a roof in Davis Park.

NEW YORK, East

Herkimer County

Herkimer	05	1820EST			0	0	1K		Lightning
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Saratoga County

Malta	05	1830EST			0	0	10K		Thunderstorm Wind
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Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<u>NEW YORK, East</u>									
Saratoga County Malta Ridge	05	1845EST			0	0	12K		Thunderstorm Wind
Schoharie County Carlisle	05	1859EST			0	0			Hail(1.00)
Montgomery County Amsterdam	05	1900EST			0	0	25K		Thunderstorm Wind
Saratoga County Round Lake to Stillwater	05	1900EST 1915EST			0	0	150K		Thunderstorm Wind
Schenectady County Schenectady	05	1900EST			0	0	15K		Thunderstorm Wind
Rensselaer County Schaghticoke	05	1910EST 1920EST			0	0	55K		Thunderstorm Wind
Albany County Colonie	05	1915EST			0	0	18K		Thunderstorm Wind
Saratoga County Stillwater	05	1915EST			0	0			Hail(0.75)
Washington County Cambridge	05	1915EST			0	0	17K		Thunderstorm Wind
Schoharie County Charlotteville	05	1930EST			0	0	22K		Thunderstorm Wind
Albany County Voorheesville	05	1935EST			0	0			Hail(1.00)
Schoharie County Cobleskill	05	1945EST			0	0	7K		Thunderstorm Wind
Washington County Easton	05	1945EST			0	0	10K		Thunderstorm Wind
Rensselaer County Hoosick	05	2004EST			0	0	15K		Thunderstorm Wind
Albany County Altamont	05	2020EST			0	0	10K		Thunderstorm Wind
Columbia County Stockport	05	2040EST			0	0	9K		Hail(2.00)
Columbia County Kinderhook	05	2100EST			0	0	11K		Thunderstorm Wind
Greene County Catskill	05	2125EST			0	0	8K		Thunderstorm Wind
Rensselaer County Brunswick	05	2130EST			0	0	50K		Lightning

Thunderstorms erupted during the evening hours of June 5 across eastern New York, along a pre-frontal trough of low pressure. The air mass was very humid, unstable and there were strong divergent winds aloft. The combination of all these elements led to the second significant severe weather outbreak across the region. The storms first developed in Saratoga County, then propagated southwestward on the right flank of the line, spreading into the Schoharie and Mohawk Valleys. The storms then proceeded both south and east during the next hour. A macroburst developed from the storms in Saratoga County, beginning in Malta, and continuing through Ballston Spa and Stillwater. The macroburst then continued into the Schaghticoke region of Rensselaer County as well as extreme southern Washington County. The swath of damage included a fan-like pattern of many trees blown down, especially in Saratoga County, temporarily closing a few roads. A house in Ballston Spa had its roof blown off. Trees were blown down on a house in Round Lake. Some powerlines were blown down as well. Winds from this macroburst were estimated to be as high as 115 mph. Thunderstorm winds from a separate storm also blew a roof of an apartment complex in Amsterdam, Montgomery County. Minor wind damage, resulting in downed trees and power lines, was also noted in a couple of places in Albany, Columbia,

Storm Data and Unusual Weather Phenomena

June 2002

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

and Greene Counties. Large hail was reported in a few localities. Quarter-size hail fell at Stillwater and Malta, Saratoga County. One inch hail was reported in Carlisle, Schoharie County and Voorheesville, Albany County. Lightning from a non-severe thunderstorm struck a home in the town of Herkimer. Luckily the house never caught fire, but the strike did burn a small section of the siding of the house. Another lightning strike did set a farm structure on fire in Brunswick, Rensselaer County causing significant damage. During the height of the storm up to 10,000 customers were without electrical power. Lightning struck a barn in Brunswick, causing significant damage to that structure. Due to a computer glitch, the first National Weather Service Warning issued for Saratoga and Washington Counties was striped of its UGC coding. A correction was quickly sent out and received by the Emergency Alert System via NOAA Weather Radio. However, the National Verification Database base did not accept the corrected coding.

Albany County

Latham	11	1320EST			0	0	5K		Thunderstorm Wind
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Scattered thunderstorms developed along a stationary front on the afternoon of June 11. One of the storms briefly became severe as thunderstorm winds toppled a few trees and power lines in the the town of Latham, Albany county.

Rensselaer County

East Greenbush	16	1230EST			0	75			Hail(0.75)
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Albany County

Coeymans	16	1235EST			0	0	2K		Thunderstorm Wind
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Columbia County

Canaan	16	1323EST			0	0			Hail(0.75)
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Dutchess County

Hopewell Jct	16	1323EST			0	0			Hail(0.75)
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Columbia County

Austerlitz	16	1325EST			0	0			Hail(0.75)
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Dutchess County

Pawling	16	1400EST 1410EST	1	125	0	0	20K		Tornado (F1)
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Thunderstorms developed along an occluded frontal boundary by midday June 16. Their intensity was aided by a large cold pocket of air aloft combined with the strong June midday sunshine. As the storms approached the Hudson Valley of eastern New York, some of them became severe. Most of the reports were of hail damage. However, there two confirmed tornado touchdowns as well as one non-tornadic destructive wind report. The first of two tornados in eastern New York touched intermittently down in the town of Florida, Montgomery County between Klappmeyer and Hartley Roads, to the southwest of Amsterdam. The path of this tornado varied between 50 and 100 yards and was approximately 3 miles long. Numerous trees were downed and there was minor damage to several houses as well as one barns. The tornado vortex then lifted back off the ground but was still visible as a funnel cloud. The vortex touched down again briefly in the town of Amsterdam, near Mcquade Road. This second path was only a quarter mile long and about 50 yards wide. Approximately 10 trees were knocked down and minor damage was reported to two homes. The top wind gusts were estimated to be around 70 mph with this tornado. A second twister, ranked as an F1 with top winds estimated around 100 mph, touched down near Pawling in Dutchess County, very close to the place a tornado had struck just two weeks before. The path of this tornado was 125 yards wide and a mile long. Damage was mostly confined to many downed and twisted trees. One tree did fall onto a garage thereby damaging it. Thunderstorm winds blew two trees down on Ravena Road in the town of Coeymans, Albany County. Golf ball size hail (1.75 inches in diameter) was reported in Chatham while ping pong size hail (1.5 inches in diameter) was reported in the town of Stockport, Columbia County. One inch hail fell at Hopewell Junction, Dutchess County. There were additional reports of dime size hail in Schenectady, Rensselaer and Greene Counties.

Schoharie County

Central Bridge	17	1745EST			0	0			Hail(0.88)
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Schenectady County

Duanesburg	17	1755EST			0	0			Hail(1.00)
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Rensselaer County

Troy	17	1835EST			0	0			Hail(1.00)
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Rensselaer County

East Greenbush	17	1838EST			0	0			Hail(0.75)
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Rensselaer County

Poestenkill	17	1838EST			0	0			Hail(1.00)
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Rensselaer County

Wynantskill	17	1845EST			0	0			Hail(1.75)
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For the second afternoon in a row, scattered thunderstorms developed across eastern New York as the result of a very unstable

Storm Data and Unusual Weather Phenomena

June 2002

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

atmosphere abetted by an unseasonably cold pocket of air aloft. Two thunderstorm cells became severe. They both deposited large hail. The first thunderstorm cell resulted in nickle-size hail in Central Bridge, Schoharie County and one inch hail at Duanesburg, Schenectady County. Later, a second cell dumped large hail in various portions of Rensselaer County. Hailstones, of golf ball size (1.75 inches in diameter) were reported in Wynantskill, while one inch hail fell at both Troy and Poestenkill and dime-size hail fell in North Greenbush.

Montgomery County

Glen	23	1630EST			0	0			Thunderstorm Wind (G64) ^M
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Dutchess County

Rhinebeck	23	2000EST			0	0	10K		Thunderstorm Wind
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Widely scattered thunderstorms developed along a stationary front during the late afternoon and evening of June 23, in the Mohawk Valley. Two separate storms became briefly severe. A weather spotter measured a wind gust of 64 mph in the town of Glen, Montgomery County. No damage was reported from this storm. The second severe storm moved into Dutchess County, knocking down trees in the town of Rhinebeck.

Greene County

Coxsackie	25	2130EST			0	0	15K		Thunderstorm Wind
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Greene County

Durham	25	2130EST			0	0	10K		Thunderstorm Wind
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Columbia County

Hudson	25	2300EST			0	0	5K		Lightning
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Scattered nocturnal thunderstorms developed along a warm front during the late evening of June 25 across eastern New York. One cell became briefly severe as it moved into Greene County. Thunderstorm winds knocked down trees and powerlines in the towns of Durham and Coxsackie. Lightning from the same storm also caused an electrical fire in the town of Hudson. The fire produced minimal property damage.

Ulster County

Countywide	26	1410EST			0	0	25K		Thunderstorm Wind
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Dutchess County

Tivoli	26	1437EST			0	0	9K		Thunderstorm Wind
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Dutchess County

Wappingers Falls	26	1501EST			0	0	10K		Thunderstorm Wind
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A line of thunderstorms developed in an unstable, humid air mass, during the afternoon of June 26 across southeastern New York. Two of the cells became briefly severe. Thunderstorm winds knocked down trees in many locations of Ulster County. Trees and powerlines were also blown down in the towns of Tivoli and Wappingers Falls, Dutchess County. As many as 2,000 lightning strikes were reported in one hour and resulted in as many as 16,500 customers without power in the Mid Hudson Valley.

Saratoga County

Saratoga Spgs	27	1325EST			0	0	50K		Thunderstorm Wind
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Washington County

Cambridge	27	1413EST			0	0	10K		Thunderstorm Wind
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Herkimer County

Newport	27	1450EST			0	0	20K		Thunderstorm Wind
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Fulton County

Gloversville	27	1520EST			0	0	10K		Thunderstorm Wind
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Fulton County

Mayfield	27	1520EST			0	0	10K		Thunderstorm Wind
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Saratoga County

Saratoga Spgs	27	1634EST 1734EST			0	0			Flash Flood
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Washington County

Eagle Bridge	27	1645EST			0	0	50K		Thunderstorm Wind
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Herkimer County

Middleville	27	1652EST 1752EST			0	0			Flash Flood
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Storm Data and Unusual Weather Phenomena

June 2002

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

Schenectady County

Niskayuna	27	1710EST			0	0	10K		Thunderstorm Wind
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Albany County

Guilderland	27	1715EST			0	0	10K		Thunderstorm Wind
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Rensselaer County

Buskirk	27	1715EST			0	0	10K		Thunderstorm Wind
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Lines of thunderstorms erupted ahead of a cold front, during the afternoon of June 27, across eastern New York. The atmosphere was very unstable, allowing quite a few of the storms to become severe. All of the storm damage in eastern New York was the result of non-tornadic winds. A severe thunderstorm pounded the city of Saratoga Springs causing power outages and major property damage throughout the city. Many traffic lights were knocked out causing traffic problems. A large tree in Congress Park was knocked down, bringing down telephone and power lines as well as leaving one man trapped inside his car for about half an hour. Thunderstorm winds also knocked down trees and power lines in the town of Newport, Herkimer County, Cambridge in Washington County as well as Niskayuna in Schenectady County. Trees were knocked down in the towns of Mayfield and Gloversville, Fulton County. Powerlines were blown down in the town of Guilderland, Albany County. Another severe thunderstorm not only toppled trees in the town of Eagle Bridge, but damaged some homes in that Washington County town. Training of the storms produced excessive rainfall and localized flash flooding. Street flooding was noted on Maple Avenue in Saratoga Springs, Saratoga County as well as in the town of Middleville, Herkimer County.

NEW YORK, North

NYZ028-031

Northeast Clinton - Southwest Clinton

12		0400EST			0	0	20K		Flood
13		1800EST							

A frontal boundary stalled across portions of New York and New England and helped to focus heavy rainfall across this area. Convective precipitation moved from northwest to southeast across the area from Canada. Rainfall from midday on June 11th through the morning of June 12th averaged 2 to 4 inches with locally higher amounts in the mountainous areas. Countywide flooding of small streams and fields started during the early morning hours of June 12th through the afternoon of the 12th with a few roads impacted. Flooding of The Great Chazy main stem river followed the heavy rain and continued into the evening June 13th.

St. Lawrence County

Massena	23	1725EST			0	0	1K		Thunderstorm Wind
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A cold front moved southeast from Canada, and triggered thunderstorms during the evening hours. A few storms reached severe criteria. Thunderstorms blew down trees in Massena, NY.

Franklin County

Malone	23	1745EST			0	0	5K		Thunderstorm Wind
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A cold front moved southeast from Canada, and triggered thunderstorms during the evening hours. A few storms reached severe criteria. Thunderstorms blew down trees and power lines in Malone, NY.

St. Lawrence County

Norfolk	23	1755EST			0	0	1K		Thunderstorm Wind
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St. Lawrence County

Potsdam	23	1805EST			0	0	1K		Thunderstorm Wind
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A cold front moved southeast from Canada, and triggered thunderstorms during the evening hours. A few storms reached severe criteria. Thunderstorms blew down trees in the New York towns of Norfolk and Potsdam.

Clinton County

Peru	23	1820EST 1822EST			0	0	1K		Thunderstorm Wind
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A cold front moved southeast from Canada, and triggered thunderstorms during the evening hours. A few storms reached severe criteria. Thunderstorms blew down trees in Peru, NY.

St. Lawrence County

Waddington	23	1840EST			0	0	15K		Thunderstorm Wind
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St. Lawrence County

Massena	23	1855EST			0	0	1K		Thunderstorm Wind
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St. Lawrence County

Norfolk	23	1900EST			0	0	1K		Thunderstorm Wind
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A cold front moved southeast from Canada, and triggered thunderstorms during the evening hours. A few storms reached severe criteria. Thunderstorms blew down trees in the towns of Norfolk and Massena. In Waddington, a tree was blown over onto a truck

Storm Data and Unusual Weather Phenomena

June 2002

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

with damage to the vehicle resulting.

Franklin County

Malone

23	1845EST				0	0	5K		Thunderstorm Wind
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A cold front moved southeast from Canada, and triggered thunderstorms during the evening hours. A few storms reached severe criteria, with trees and power lines blown down in Malone, NY.

Essex County

Willsboro

26	1400EST				0	0			Hail(0.75)
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A warm front moved northeast across the region, followed by a warm and humid airmass. Scattered thunderstorms developed during the afternoon of June 26th, and a few of them reached severe criteria. Thunderstorms that moved across Essex county, NY resulted in 3/4 inch hail in the town of Willsboro.

Clinton County

Ellenburg Depot

27	1515EST 1520EST				0	0			Tstm Wind/Hail
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A cold front approached the region during the late afternoon from Canada. Showers and thunderstorms developed during the afternoon hours, with a few approaching severe limits. Small hail and gusty winds were reported in Ellenburg Depot, NY.

NEW YORK, West

Cattaraugus County

Little Vly

04	1705EST				0	0	5K		Hail(0.75)
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Livingston County

Mt Morris

04	1745EST				0	0	5K		Hail(0.75)
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Chautauqua County

Kiantone

04	2315EST				0	0	8K		Thunderstorm Wind (G58)
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Thunderstorms developed north of a warm front that extended across Ohio and Pennsylvania. The thunderstorms intensified during the late afternoon hours with 3/4" to 1" hail reported in Little Valley, Ellicottville and Mount Morris. Power lines were downed in East Otto. Trees were downed in Kiantone.

Wayne County

Newark

14 15	0930EST 0330EST				0	0	50K		Flash Flood
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Cayuga County

Conquest

14 15	1025EST 0330EST				0	0	35K		Flash Flood
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Wyoming County

Warsaw

14 15	2020EST 1000EST				0	0	35K		Flash Flood
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Wyoming County

Warsaw

14	2020EST				0	0	10K		Thunderstorm Wind (G55)
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A narrow band of rain persisted from Lake Ontario across Wayne and northern Cayuga counties and remained through early afternoon. Later that afternoon an isolated thunderstorm produced flash floods and wind damage in Warsaw, Wyoming county. The thunderstorm also produced downpours that resulted in flash flooding. As much as five inches of rain fell. Basements were flooded in Newark, Butler and Wolcott. Stayton Road in Conquest, Dalton Road in Ira and Rte. 370 in Cato were flooded.

Niagara County

North Tonawanda

17	1230EST				0	0	5K		Hail(0.88)
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Niagara County

Niagara Falls

17	1315EST				0	0	5K		Hail(1.00)
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Niagara County

Wheatfield

17	1420EST				0	0	10K		Hail(0.75)
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Erie County

East Amherst

17	1430EST 1545EST				0	0	10K		Flash Flood
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Niagara County

North Tonawanda

17	1430EST 1630EST				0	0	50K		Flash Flood
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Storm Data and Unusual Weather Phenomena

June 2002

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

Niagara County

Niagara Falls

17	1600EST				0	0	5K		Hail(0.75)
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A line of thunderstorms developed over southwest Niagara and northern Erie counties with successive training on either side of Tonawanda Creek. Two inches of rain fell in less than an hour and a nursing home was evacuated as a precaution as clogged drains held the heavy rains on the building rooftop. Dozens of roads were under water. Pea- to nickel-sized hail covered the ground in North Tonawanda. The thunderstorms produced hail up to 1" in diameter.

Allegany County

Cuba

26	1135EST				0	0	30K		Thunderstorm Wind (G50)
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Allegany County

Almond

26	1215EST				0	0	35K		Thunderstorm Wind (G55)
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Monroe County

Rochester

26	1311EST				0	0	35K		Thunderstorm Wind (G55)
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Monroe County

Irondequoit

26	1330EST				0	0	30K		Thunderstorm Wind (G60)
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Wayne County

Ontario

26	1330EST				0	0	20K		Thunderstorm Wind (G59) ^M
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Oswego County

Fulton

26	1417EST				0	0	50K		Thunderstorm Wind (G60)
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Oswego County

Volney

26	1445EST				0	0	30K		Thunderstorm Wind (G55)
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Oswego County

Constantia

26	1520EST				0	0	15K		Thunderstorm Wind (G50)
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Jefferson County

West Carthage

26	1600EST				0	0	15K		Thunderstorm Wind (G50)
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Lewis County

West Leyden

26	1606EST				0	0	10K		Thunderstorm Wind (G56) ^M
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Thunderstorms developed in a warm, moist, unstable flow during the late morning and afternoon hours. The strong thunderstorms produced damaging wind gusts that downed trees and power lines, including a transmission line in Oswego county that cut power to more than 10,000 customers. An additional 8,000 lost power in the Rochester Metro area and 3,500 in the northern Finger Lakes region. The storms dropped over two inches of rain in a short period of time causing minor damage when drains and ditches overflowed onto roads and streets in parts of the Southern Tier, especially Allegany county. In Ontario, Wayne county, a stand of 30 pine trees were snapped midway up their trunks.

Cattaraugus County

Freedom

27	1145EST				0	0	10K		Thunderstorm Wind (G50)
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Niagara County

Lewiston

27	1205EST				0	0	8K		Thunderstorm Wind (G55) ^M
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Cattaraugus County

Little Vly

27	1228EST				0	0	10K		Thunderstorm Wind (G52)
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Allegany County

Wellsville

27	1230EST				0	0	5K		Thunderstorm Wind (G51)
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Niagara County

Newfane

27	1240EST				0	0	10K		Thunderstorm Wind (G50)
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Cattaraugus County

Hinsdale

27	1253EST				0	0	10K		Thunderstorm Wind (G50)
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Oswego County

Central Square

27	1258EST				0	0	15K		Thunderstorm Wind (G50)
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Orleans County

Medina

27	1300EST				0	0	8K		Thunderstorm Wind (G50)
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Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<u>NEW YORK, West</u>									
Niagara County Lockport	27	1305EST			0	0	15K		Thunderstorm Wind (G50)
Monroe County Greece	27	1315EST			0	0	20K		Thunderstorm Wind (G52)
Oswego County Parish	27	1322EST			0	0	10K		Thunderstorm Wind (G50)
Oswego County Altmar	27	1330EST			0	0	10K		Thunderstorm Wind (G51)
Cattaraugus County Farmersville	27	1410EST			0	0	10K		Thunderstorm Wind (G50)
Jefferson County Lorraine	27	1411EST			0	0	10K		Thunderstorm Wind (G50)
Lewis County West Martinsburg	27	1430EST			0	0	15K		Thunderstorm Wind (G56) ^M
Oswego County Oswego	27	1440EST			0	0	20K		Thunderstorm Wind (G54)
Allegany County Bolivar	27	1455EST			0	0	40K		Thunderstorm Wind (G54)
Allegany County Wellsville	27	1525EST			0	0	15K		Thunderstorm Wind (G50)

Thunderstorms developed ahead of an approaching cold front. The thunderstorms produced damaging winds which gusted to near 70 mph. Damage consisted mainly of downed trees and power lines, although some structural damage occurred. In Bolivar, a house was damaged by a falling tree. In Oswego, falling trees damaged a fence and a downed telephone pole damaged a car. In West Martinsburg, one-inch hail fell.

NORTH CAROLINA, Central

Alamance County Haw River	01	1545EST			0	0			Hail(0.75)
Guilford County Greensboro	01	1545EST			0	0			Thunderstorm Wind (G50) Trees fell onto power lines.
Forsyth County Lewisville	01	1555EST			0	0			Hail(0.75)
Orange County Hillsborough	01	1600EST			0	1			Thunderstorm Wind (G50) Trees were blown over. One fell onto a car, injuring one person.
Wake County Zebulon	01	1635EST			0	0			Hail(1.75)
Franklin County Franklinton	01	1650EST			0	0			Thunderstorm Wind (G50) Several trees were blown down.
Nash County Spring Hope	01	1650EST			0	0			Thunderstorm Wind (G50) Numerous trees were blown down, some across Route 581.
Wake County Wake Forest	01	1650EST			0	0			Hail(0.75)
Davidson County Lexington	01	1655EST			0	0			Thunderstorm Wind (G50) Trees were blown onto Interstate 85 near the Route 64 intersection.

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>NORTH CAROLINA, Central</u>									
Randolph County									
Asheboro	01	1700EST			0	0			Thunderstorm Wind (G50) Trees and power lines were blown down near the city limits.
Edgecombe County									
Battleboro	01	1710EST			0	0			Thunderstorm Wind (G50) Trees were blown down.
Wilson County									
Buckhorn Xrds	01	1715EST			0	0			Thunderstorm Wind (G50) Trees were blown down across Highway 42.
Johnston County									
3 SW Clayton to Clayton	01	1731EST			0	0			Thunderstorm Wind (G50) Trees were blown down in the Cleveland area.
Wayne County									
Stevens Mill	01	1740EST			0	0			Thunderstorm Wind (G50) Trees were blown down.
Wayne County									
Countywide	01	1755EST			0	0			Thunderstorm Wind (G50) Trees were blown down in Fremont, Pikeville, and Patetown.
Davidson County									
Linwood	02	1545EST			0	0			Thunderstorm Wind (G50) Trees were blown down.
Chatham County									
Siler City	02	1700EST			0	0			Thunderstorm Wind (G50) A house sustained roof damage from fallen trees and limbs.
Person County									
Timberlake	06	1820EST			0	0			Thunderstorm Wind (G50) A tree was blown down and fell across power lines, knocking out power.
Davidson County									
Jackson Hill	06	1845EST			0	0			Thunderstorm Wind (G50) Trees were blown down along Highway 8.
Nash County									
Stanhope	06	1900EST			0	0			Thunderstorm Wind (G50) Numerous reports of trees down, causing power outages and damaging vehicles.
Halifax County									
Glenview	06	1910EST			0	0			Thunderstorm Wind (G50) Trees were blown down.
Chatham County									
Goldston	06	1915EST			0	0			Thunderstorm Wind (G50) Several trees were blown down.
Halifax County									
10 SW Enfield	06	1930EST			0	0			Thunderstorm Wind (G50) Trees were blown down near the border of Nash county.
Wilson County									
Sims	06	1955EST			0	0			Thunderstorm Wind (G50) Trees and powerlines were blown down along US 264.
Halifax County									
Enfield	06	1958EST			0	0			Thunderstorm Wind (G50) Trees were blown down.
Hoke County									
5 S Rockfish	06	2115EST			0	0			Thunderstorm Wind (G50) Trees were blown down near the border with Robeson County.

Storm Data and Unusual Weather Phenomena

June 2002

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

Johnston County

Princeton	14	1235EST			0	0			Thunderstorm Wind (G50)
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A tin roof was partially torn off a house, and a steeple was blown off a church.

Guilford County

Oak Ridge	26	1600EST			0	0	5K		Lightning
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At least four house fires were started by lightning strikes in the Oak Ridge area.

Davidson County

Countywide	26	1730EST			0	0			Thunderstorm Wind (G50)
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Trees and power lines were blown down across the county.

Randolph County

10 W Asheboro	26	1740EST			0	2			Thunderstorm Wind (G60)
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Thunderstorm winds flipped over a mobile home onto a truck. The home was destroyed, and the two residents were injured.

Wake County

Raleigh	28	2215EST 2245EST			0	0			Flash Flood
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Flooding was reported along Avent Ferry Road. A creek overflowed into a parking lot.

NORTH CAROLINA, Central Coastal

Greene County

Maury	01	1800EST			0	0			Hail(1.00)
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Pitt County

Grifton	14	1422EST			0	0			Hail(1.75)
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Onslow County

Richlands	14	1435EST			0	0			Hail(0.88)
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Jones County

Comfort	14	1450EST			0	0			Hail(0.88)
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Onslow County

Half Moon	14	1450EST			0	0	10K		Thunderstorm Wind (G61)
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A mobile home was destroyed when a large pine tree fell in about 70 mph wind.

Craven County

Cove City to Tuscarora	14	1520EST 1530EST			0	0			Hail(0.75)
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Beaufort County

Aurora to Pinetown	14	1535EST 1550EST			0	0			Thunderstorm Wind (G52)
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Numerous trees and power lines blown down from Aurora to Pinetown.

Washington County

10 S Plymouth	14	1540EST			0	0			Thunderstorm Wind (G52)
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Washington County

4 NE Pleasant Grove	14	1545EST			0	0			Hail(0.75)
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Pamlico County

Merritt	17	1435EST			0	0			Hail(0.88)
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Craven County

Havelock	17	1600EST			0	0			Hail(0.75)
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Dare County

Rodanthe	22	1733EST			1	0			Rip Currents
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Storm Data and Unusual Weather Phenomena

June 2002

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

Cherokee County

Marble	04	1340EST			0	0			Hail(0.88)
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Nickel sized hail reported near Marble.

Cherokee County

Murphy	04	1500EST			0	0	10K		Thunderstorm Wind
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Trees reported down in Murphy.

Cherokee County

Murphy	04	1600EST 1700EST			0	0			Flash Flood
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A mud and rock slide was reported on highway 64E near the hospital.

Cherokee County

Unaka	20	1730EST			0	0	10K		Thunderstorm Wind
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Two trees were reported down in Unaka.

NORTH CAROLINA, North Coastal

Perquimans County

Winfall to Hertford	14	1530EST			0	0	5K		Thunderstorm Wind
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Trees down. Several trailers damaged and power outages.

Pasquotank County

Weeksville	14	1600EST			0	0	2K		Thunderstorm Wind
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Trees down.

Camden County

Old Trap	14	1620EST			0	0	1K		Thunderstorm Wind
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Numerous large tree limbs down in road.

Currituck County

2 S Grandy	14	1627EST			0	0	2K		Thunderstorm Wind
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Large tree down on road.

NORTH CAROLINA, Northwest and North Central

Stokes County

Sandy Ridge	01	1450EST			0	0			Hail(0.75)
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Rockingham County

Mayodan	01	1455EST			0	0	0		Thunderstorm Wind
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Stokes County

7 N King	01	1455EST			0	0			Hail(2.25)
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Caswell County

7 W Yanceyville	01	1500EST			0	0	0		Thunderstorm Wind
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Stokes County

2 SW Danbury	01	1510EST			0	0			Hail(1.50)
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Stokes County

Walnut Cove	01	1520EST			0	0	0		Thunderstorm Wind
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Yadkin County

East Bend	01	1555EST			0	0			Hail(0.88)
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Ashe County

7 N Jefferson	01	1720EST			0	0	0		Thunderstorm Wind
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Thunderstorms during the afternoon of the 1st produced damaging winds and hail up to tennis ball size.

Thunderstorm winds downed trees 7 miles west of Yanceyville, Walnut Cove, 7 miles north of Jefferson, and downed trees and power lines in Mayodan.

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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NORTH CAROLINA, Northwest and North Central

Watauga County

Valle Crucis	04	1330EST			0	0			Hail(0.75)
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Thunderstorms during the afternoon of the 4th produced hail up to dime size.

Wilkes County

2 E Hays	05	0545EST			0	0	100K		Lightning
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Lightning struck a house 2 miles east of Hays, starting a fire that burned much of the house to the ground. A truck and other equipment that was in the garage were also destroyed.

Rockingham County

3 SE Stoneville	06	1635EST			0	0	0		Thunderstorm Wind
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Stokes County

5 E Danbury	06	1645EST			0	0			Hail(0.88)
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Stokes County

5 E Danbury	06	1645EST			0	0	0		Thunderstorm Wind
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Rockingham County

1 W Eden	06	1705EST			0	0	0		Thunderstorm Wind
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Thunderstorms during the afternoon of the 6th produced damaging winds and hail up to nickel size.

Thunderstorm winds downed trees 5 miles east of Danbury, onto Route 135, 3 miles southeast of Stoneville, and trees and power lines 1 mile west of Eden,

Watauga County

2.5 SE Boone	27	1335EST 1430EST			0	0			Flash Flood
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Rockingham County

Ruffin	27	1505EST			0	0	0		Thunderstorm Wind
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Stokes County

Walnut Cove	27	1520EST			0	0	0		Thunderstorm Wind
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Rockingham County

Madison	27	1530EST			0	0	13K		Thunderstorm Wind
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Rockingham County

Reidsville	27	1554EST			0	0	0		Thunderstorm Wind
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Thunderstorms during the afternoon of the 27th produced flash flooding and damaging winds.

Thunderstorm winds downed trees and power lines in Walnut Cove, trees near Madison causing damage to a mobile home and the roof of a home, and power lines in Reidsville and Ruffin.

Heavy thunderstorm rains caused a mudslide across Route 321, 2.5 miles southeast of Boone.

NORTH CAROLINA, South Coastal

NCZ087-096>097-099>101 Robeson - Bladen - Pender - Columbus - Brunswick - New Hanover

	01 30	0000EST 0000EST			0	0			Drought
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Bladen County

15 E Elizabethtown	14	1340EST			0	0			Hail(0.75)
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Spotter reported dime size hail.

Bladen County

4 NW East Arcadia	14	1340EST			0	0			Hail(0.75)
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Emergency manager reported dime size hail.

Bladen County

Kelly	14	1355EST 1400EST			0	0	50K		Thunderstorm Wind (G70)
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Storm Data and Unusual Weather Phenomena

June 2002

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

The Bladen Emergency Manager reported that strong thunderstorm winds knocked down numerous trees in the eastern part of the county along Hwy 210 and Hwy 53. One tree fell on a house on Lightwood Knot Road. Lightning also struck a home on Overline Road, seriously damaging it. A number of storage buildings were also damaged in the area.

Pender County

Burgaw	14	1415EST			0	0			Thunderstorm Wind (G60)
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Trees down.

Robeson County

Fairmont	14	1830EST 1835EST			0	0	100K		Thunderstorm Wind (G70)
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Robeson emergency manager reported two mobile homes were destroyed on Stone Road due to straight line winds from a thunderstorm. Several other homes were damaged on Price Road, with trees and power lines down.

Bladen County

White Oak	14	2000EST			0	0	15K		Lightning
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Lightning struck the Bethlehem United Methodist Church steeple. The steeple was destroyed, and parts of the sanctuary were damaged by water, fire, and smoke.

Columbus County

5 S Nakina	14	2035EST			0	0			Thunderstorm Wind (G60)
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Columbus 911 reported trees down across the roadway.

Brunswick County

Winnabow	14	2115EST			0	0			Thunderstorm Wind (G55)
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Sherriff reported trees down.

New Hanover County

Wilmington	14	2127EST 2130EST			0	0	15K		Thunderstorm Wind (G65)
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New Hanover 911 reported that thunderstorm winds caused a building to partially collapse on Front Street. Trees were also reported down.

New Hanover County

4 N Wilmington	14	2130EST			0	0	250K		Thunderstorm Wind (G78)
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National Weather Service storm survey concluded a microburst with estimated 80-90 mph winds caused widespread damage along a path approximately 1/2 mile long with a maximum width of 50 to 100 yards. Wrightsboro Elementary School sustained three broken windows. Portions of school's metal roof were peeled back or were torn off and blown 50 yards from the building. One trailer was blown off its concrete blocks. Seventeen houses sustained damage along Long Leaf Drive. Damage included shingles blown off roofs, siding torn off houses or significant damage to porches. An 18 inch diameter tree was snapped off about 20 feet above ground level, with numerous other trees uprooted. Fallen trees and limbs damaged power lines and at least 4 cars. No injuries were reported.

NORTH CAROLINA, Southwest

Rowan County

Kannapolis	01	1738EST			0	0	1K		Thunderstorm Wind (G50)
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A large tree was blown down, knocking over other trees and some powerlines.

Cabarrus County

8 E Kannapolis to Mt Pleasant	01	1803EST 1820EST			0	0	5K		Thunderstorm Wind (G60)
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Numerous trees and powerlines were blown down along Gold Hill Rd. Fires were started by some of the downed powerlines. A tree fell on an automobile in Mt. Pleasant.

Lincoln County

Lincolnton to 5 E Lincolnton	01	1805EST 1810EST			0	0	5K		Hail(1.00)
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Lincoln County

Lincolnton to 5 E Lincolnton	01	1805EST 1810EST			0	0	10K		Thunderstorm Wind (G55)
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A large vent was blown off of a building and numerous trees were blown down. At least one tree fell on an automobile.

Lincoln County

Boger City to Iron Station	01	1824EST			0	0			Hail(1.00)
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Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>NORTH CAROLINA, Southwest</u>									
Davie County									
Advance	02	1515EST			0	0			Hail(1.00)
Davie County									
8 E Mocksville	02	1530EST			0	0			Hail(0.75)
									Reported along the Yadkin River at Highway 64.
Haywood County									
3 N Cruso	03	1515EST			0	0			Hail(0.75)
Buncombe County									
Black Mtn	03 04	1800EST 1800EST			0	0	50K		Lightning
									Lightning struck the Public Safety bldg, City Hall, the Fire Station, and 4 residences. One residence suffered a major fire and considerable damage.
Swain County									
22 W Bryson City	04	1230EST 1245EST			0	0			Hail(0.75)
Graham County									
Stecoah	04	1231EST			0	0			Hail(0.88)
Madison County									
Spring Creek	04	1245EST 1300EST			0	0			Hail(1.00)
									Hail accumulated to depths of 2 inches.
Madison County									
Marshall	04	1315EST			0	0			Hail(1.00)
Haywood County									
Canton	04	1330EST 1333EST			0	0			Hail(1.00)
Buncombe County									
14 WSW Asheville	04	1333EST			0	0	5K		Hail(1.25)
Madison County									
14 ESE Marshall	04	1400EST 1530EST			0	0	20K		Hail(1.25)
									A long duration hailstorm resulted in roof damage to a few homes at Meadow Forks.
Madison County									
14 ESE Marshall	04	1400EST			0	0			Heavy Rain
									3.5 inches of rain fell in one-and-a-half hours at Meadow Forks.
Buncombe County									
Sandymush	04	1445EST			0	0			Hail(1.00)
Jackson County									
Balsam	04	1500EST 1515EST			0	0			Hail(1.00)
Haywood County									
14 NE Waynesville	04	1500EST			0	0			Hail(1.75)
Yancey County									
Burnsville	04	1503EST			0	0			Hail(0.75)
Yancey County									
Busick	04	1515EST			0	0			Hail(1.75)
McDowell County									
2 E Old Ft	04	1520EST			0	0			Hail(0.88)
Buncombe County									
5 S Asheville	04	1530EST			0	0			Hail(0.75)
Haywood County									
Waynesville	04	1530EST			0	0			Hail(0.75)

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>NORTH CAROLINA, Southwest</u>									
Haywood County									
Waynesville	04	1530EST			0	0	5K		Thunderstorm Wind (G50)
Several trees were blown down. One fell on an automobile.									
Buncombe County									
4 E Asheville	04	1530EST			0	0			Hail(0.75)
Haywood County									
15 NE Cove Creek	04	1540EST 1700EST			0	0			Flash Flood
Fines Creek flooded and blocked Highway 209.									
Buncombe County									
Leicester	04	1607EST			0	0			Hail(1.75)
Buncombe County									
Leicester	04	1607EST			0	0			Thunderstorm Wind (G50)
A few trees were blown down.									
Mcdowell County									
Old Ft to 2 E Old Ft	04	1626EST			0	0			Hail(0.75)
Mcdowell County									
Old Ft to 2 E Old Ft	04	1626EST 1703EST			0	0	3K		Thunderstorm Wind (G50)
Numerous trees and powerlines were blown down.									
Buncombe County									
Weaverville	04	1632EST			0	0			Hail(1.75)
Buncombe County									
Montreat	04	1640EST 1645EST			0	0			Hail(0.75)
Jackson County									
Cashiers	04	1640EST 1650EST			0	0			Thunderstorm Wind (G50)
A few large limbs were blown down.									
Mcdowell County									
Pleasant Gardens	04	1800EST			0	0	1K		Thunderstorm Wind (G50)
A few powerlines were blown down.									
Madison County									
14 ESE Marshall	04 05	2300EST 0200EST			0	0			Flash Flood
Rainfall amounts approaching 5 inches over a few hours were reported, resulting in flooding of small streams, washing away driveways, and cutting 6 inch deep gullies in roads.									
Macon County									
Countywide	04 05	2300EST 0200EST			0	0			Heavy Rain
Heavy rain caused trees to fall onto roads and also resulted in some mudslides.									
Swain County									
Countywide	04 05	2300EST 0200EST			0	0			Heavy Rain
Heavy rain caused trees to fall onto roads and also resulted in some mudslides.									
Buncombe County									
2 W Asheville to Asheville	05	1625EST			0	0	5K		Thunderstorm Wind (G50)
A few trees were blown down. One tree fell on an automobile, trapping the occupants.									
Buncombe County									
Asheville	05	1625EST			0	0	10K		Urban/Sml Stream Fld
Some street flooding occurred, and water entered a few homes.									

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>NORTH CAROLINA, Southwest</u>									
Transylvania County									
Brevard	06	0200EST			0	0			Lightning
			Lightning ignited a few fires.						
Transylvania County									
Brevard	06	0200EST			0	0			Thunderstorm Wind (G50)
			Some small trees and live branches were blown down.						
Medowell County									
2 W Marion to Sugar Hill	06	1330EST			0	0			Thunderstorm Wind (G50)
			A few trees were blown down.						
Burke County									
3 S Morganton	06	1418EST 1425EST			0	0			Hail(0.75)
Burke County									
3 S Morganton	06	1418EST 1425EST			0	0			Thunderstorm Wind (G50)
			A few trees were blown down.						
Rutherford County									
Rutherfordton	06	1710EST			0	0			Thunderstorm Wind (G55)
			Numerous trees were blown down.						
Buncombe County									
Black Mtn	13	1805EST			0	0	1K		Thunderstorm Wind (G50)
			Some trees and powerlines were blown down.						
Medowell County									
Old Ft to Pleasant Gardens	13	1815EST 1825EST			0	0	1K		Thunderstorm Wind (G50)
			Some trees and powerlines were blown down.						
Burke County									
7 NNE Morganton	13	1910EST			0	0	1K		Thunderstorm Wind (G55)
			Some trees and powerlines were blown down along Smoky Creek Road, near the Morganton-Lenoir Airport.						
Caldwell County									
4 S Gamewell	13	1917EST			0	0			Thunderstorm Wind (G56) ^M
			Measured by AWOS at the Morganton-Lenoir Airport.						
Caldwell County									
Saw Mills to Granite Falls	13	1925EST 1940EST			0	0	3K		Thunderstorm Wind (G55)
			Numerous trees and powerlines were blown down.						
Alexander County									
Bethlehem	13	1930EST			0	0			Hail(1.75)
Alexander County									
Bethlehem	13	1930EST 2000EST			0	0	75K		Thunderstorm Wind (G55)
			Several trees were blown down. At least 2 automobiles were damaged by falling trees.						
Catawba County									
Conover	13	1950EST			0	0	1K		Thunderstorm Wind (G50)
			Some trees and powerlines were blown down.						
Iredell County									
4 N Statesville	13	2030EST			0	0	1K		Thunderstorm Wind (G50)
			Some trees and powerlines were blown down.						
Buncombe County									
4 NW Leicester	20	1340EST			0	0			Hail(0.75)
Swain County									
Cherokee to Bryson City	20	1520EST 1525EST			0	0			Hail(0.75)

Storm Data and Unusual Weather Phenomena

June 2002

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

NORTH CAROLINA, Southwest

Swain County

Cherokee to Bryson City	20	1520EST 1525EST			0	0	10K	Thunderstorm Wind (G55)
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A few trees were blown down, some onto homes.

Macon County

10 N Franklin	20	1550EST			0	0		Hail(1.50)
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Graham County

2 E Robbinsville to Robbinsville	20	1616EST 1620EST			0	0		Hail(1.75)
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Graham County

2 E Robbinsville to Robbinsville	20	1616EST 1620EST			0	0		Thunderstorm Wind (G50)
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Two trees were blown down.

Macon County

2 SW Aquone	20	1625EST			0	0		Hail(0.75)
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Reported near Lake Nantahala.

Lincoln County

Vale	26	1800EST			0	0	150K	Lightning
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Lightning struck a business and ignited a fire, which destroyed the building and its contents.

NORTH DAKOTA, Central and West

Golden Valley County

Beach	08	1815CST 1835CST			0	0		Hail(1.75)
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Event duration of 20 minutes.

Golden Valley County

6 N Sentinel Butte	08	1843CST			0	0		Hail(2.75)
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Billings County

Fairfield	08	1900CST			0	0		Hail(1.50)
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Golden Valley County

5 N Sentinel Butte	08	1930CST			0	0		Hail(4.50)
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Golden Valley County

9 NNE Beach	08	2027CST			0	0		Hail(1.00)
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Hail accumulated between 1 to 3 inches with nickel to quarter size covering the ground.

Golden Valley County

Beach	08	2040CST			0	0		Flood
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County roads washed out and roads in the community of Beach flooded.

Billings County

10 N Fairfield	08	2044CST 2055CST			0	0		Hail(1.00)
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Hail drifted two (2) feet in depth.

Golden Valley County

Beach	08	2046CST			0	0		Flood
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County roads washed out around the Beach area.

Billings County

10 N Fairfield	08	2055CST			0	0		Flood
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Public reported four (4) feet of water over the road.

Morton County

Hebron	08	2214CST			0	0		Hail(1.75)
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Slope County

Amidon	08	2215CST			0	0		Hail(1.50)
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Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>NORTH DAKOTA, Central and West</u>									
Bowman County									
Bowman	08	2228CST			0	0			Hail(1.75)
Dunn County									
Halliday	08	2242CST			0	0			Hail(0.75)
Foster County									
Carrington	08	2320CST			0	0			Hail(0.75)
Foster County									
Carrington	08	2328CST			0	0			Hail(1.00)
Mercer County									
Beulah	08	2331CST			0	0			Hail(0.75)
Mclean County									
4 SE Turtle Lake	08	2340CST			0	0			Hail(0.75)
Ward County									
20 S Minot	08	2350CST			0	0			Thunderstorm Wind (G61)
									Numerous shingles off roofs and wall of barn blown over.
Mclean County									
4 E Turtle Lake	08	2358CST			0	0			Hail(0.88)
									Water reported over the county roads.
Mclean County									
Garrison Muni Arpt	09	0004CST			0	0			Thunderstorm Wind (G50) ^M
Burleigh County									
(Bis)Bismarck Muni A	09	0006CST			0	0			Thunderstorm Wind (G54) ^M
Foster County									
4 E Juanita	09	0007CST			0	0			Thunderstorm Wind (G52)
Stark County									
(Dik)Dickinson Muni	10	0118CST			0	0			Thunderstorm Wind (G50) ^M
Stark County									
Dickinson	10	0220CST			0	0			Flood
									Street flooding in the city of Dickinson due to heavy rainfall.
Dunn County									
Halliday	10	0220CST			0	0			Hail(0.88)
Dunn County									
Halliday	10	0225CST			0	0			Hail(1.75)
									Reported by a National Weather Service Cooperative Observer.
NDZ018									
Dunn									
	10	0242CST			0	0			Flood
									Standing water, several inches deep, in fields and water over numerous roads. Report was 10 miles south of Manning.
Mclean County									
9 SSW Roseglen	10	0245CST			0	0			Thunderstorm Wind (G61)
Mclean County									
Garrison Muni Arpt	10	0319CST			0	0			Thunderstorm Wind (G66) ^M
Mclean County									
Garrison	10	0340CST			0	0			Thunderstorm Wind (G66)
									Camper blown over.
Mclean County									
3 W Max	10	0340CST			0	0			Hail(0.75)
									Highway Patrol reported visibility reduced to near zero in very heavy rain.
Ward County									
7 W Sawyer	10	0355CST			0	0			Hail(0.75)

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>NORTH DAKOTA, Central and West</u>									
Mchenry County									
5 N Towner	10	0425CST			0	0			Hail(0.88)
Sheridan County									
Mcclusky	10	0430CST			0	0			Hail(0.75)
									Highway Patrol reported 50 mph winds with the storm.
Burke County									
4 N Powers Lake	14	1843CST			0	0			Hail(0.75)
Mountrail County									
4 N Stanley	14	1912CST			0	0			Hail(1.00)
Mountrail County									
2 N Stanley	14	1924CST			0	0			Hail(1.25)
Mountrail County									
11 S Plaza	14	2039CST 2041CST			0	0			Hail(0.75)
									Hail event lasted 2 minutes.
Mountrail County									
6 E Parshall	14	2040CST			0	0			Hail(0.75)
Mercer County									
3 SW Hazen	14	2158CST			0	0			Hail(0.75)
Oliver County									
6 NW Hannover	14	2209CST			0	0			Hail(0.88)
La Moure County									
11 SW Edgeley	15	0125CST			0	0			Lightning
									Lightning struck and destroyed a semi-truck in the city of Kulm.
Dunn County									
Killdeer	16	1720CST			0	0			Hail(0.75)
Ward County									
Minot	16	1900CST			0	0			Thunderstorm Wind (G50) ^M
Mcintosh County									
10 E Ashley	19	0430CST			0	0			Thunderstorm Wind (G52)
Dickey County									
2 NE Forbes	19	0500CST			0	0			Thunderstorm Wind (G52)
Mclean County									
5 W Raub	22	0040CST			0	0			Lightning
									Lightning struck a farm home burning it to the ground.
Mchenry County									
1 W Balfour	22	0220CST			0	0			Hail(1.75)
Ward County									
4 S Minot	22	0510CST			0	0			Hail(0.75)
Burke County									
Lignite	22	0525CST			0	0	30K		Lightning
									Lightning struck the steeple of the Tonset Lutheran Church catching it on fire. The church was built in 1916.
Dickey County									
Ellendale	22	1704CST			0	0			Hail(0.88)
Dickey County									
5 N Guelph	22	1830CST			0	0			Hail(0.75)
Dickey County									
Ellendale	22	1845CST			0	0			Hail(0.75)

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>NORTH DAKOTA, Central and West</u>									
Dickey County									
Oakes	22	1920CST			0	0			Flood
									Street flooding with water running into yards.
Adams County									
16 NE Hettinger	22	2115CST			0	0			Hail(0.75)
Dunn County									
2 SW New Hradec	23	1420CST			0	0			Hail(1.00)
									Rainfall of .60 in a 2½ minute period with storm.
Mckenzie County									
11 S Alexander	23	1450CST			0	0			Hail(1.00)
Stark County									
Taylor	23	1456CST			0	0			Hail(0.75)
Mckenzie County									
11 S Alexander	23	1500CST			0	0			Hail(1.25)
Morton County									
Hebron	23	1547CST			0	0			Hail(1.75)
									Very heavy rainfall and wind gust to 40 mph with the storm.
Morton County									
10 N Glen Ullin	23	1633CST			0	0			Hail(0.75)
Burleigh County									
15 SE Bismarck	23	1707CST			0	0			Hail(0.88)
McLean County									
5 N Wilton	23	1721CST			0	0			Funnel Cloud
									Funnel last less than a minute then retreated back into the parent cloud. Storm chaser reported a rotating wall cloud in the same location.
Burleigh County									
11 N Wilton	23	1810CST			0	0			Hail(2.50)
									Hail covering the ground.
Burleigh County									
11 N Wilton	23	1810CST			0	0			Hail(2.75)
									Rainfall of 1.00 fell in a 30 minute period with the storm.
Morton County									
8 NW Mandan	23	1813CST			0	0			Hail(1.25)
Dunn County									
7 ESE Killdeer	23	1820CST			0	0			Hail(1.00)
Kidder County									
Steele	23	1832CST			0	0			Hail(0.75)
Dunn County									
Halliday	23	1840CST			0	0			Hail(0.75)
Burleigh County									
15 N Bismarck	23	1855CST	2	40	0	0			Tornado (F0)
									Briefly touched down in open county near church and several homes but no damage occurred.
Mchenry County									
Velva	23	1930CST			0	0			Flood
									Numerous street flooding and water over many roads.
Mchenry County									
5 SW Velva to 6 S Velva	23	1934CST 1954CST	2	50	0	0			Tornado (F1)
									Several trees uprooted and shingles blown off roof several homes.

Storm Data and Unusual Weather Phenomena

June 2002

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

Burleigh County

7 SE Regan	23	1953CST			0	0			Hail(0.75)
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Mchenry County

Voltaire	23	2045CST			0	0			Flood
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Rainfall reports of 6 inches fell with the storm with several inches of standing water in streets and yards.

Dickey County

Ellendale	23	2240CST			0	0			Hail(0.75)
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Renville County

3 N Sherwood	24	2000CST			0	0			Hail(1.00)
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Rolette County

7 SW Dunseith to 5 S Dunseith	25	1330CST 1340CST	2	40	0	0			Tornado (F0)
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Tornado formed 7 miles southwest of Dunseith and skipped east across open country lifting back into the parent cloud 5 miles south of Dunseith. No damage was reported.

Logan County

Burnstad	28	1958CST			0	2			Thunderstorm Wind (G55)
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Two persons were injured when a large tree was toppled by the wind onto their tent. Numerous uprooted tree's with several homes receiving minor wind damage. The injuries were at a campground in Beaver State Park.

Logan County

Gackle	28	2040CST			0	0			Thunderstorm Wind (G57) ^M
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La Moure County

6 W Marion	28	2100CST			0	0			Thunderstorm Wind (G61)
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Several farm buildings either damaged or destroyed.

Grant County

Shields	28 30	2200CST 0900CST			0	0			Wild/Forest Fire
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A large grassland fire claimed 12,300 acres in and around the Shields area in southcentral North Dakota. The entire town of Shields was burned to the ground with only a few structures remain standing. The fire was fueled by several days of temperatures above 110 degree's and wind gust up to 40 mph. The fire danger index was in the extreme category. The fire was finally contained on the morning of the 30th.

Williams County

Zahl	29	0410CST			0	0			Hail(1.75)
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Burke County

Battleview	29	0455CST			0	0			Hail(1.75)
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Mckenzie County

11 S Alexander	29	1906CST			0	0			Thunderstorm Wind (G57)
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Divide County

Crosby	29	1910CST			0	0			Thunderstorm Wind (G57)
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Suspension bridge destroyed and several trees uprooted.

Divide County

Crosby	29	1910CST			0	0			Thunderstorm Wind (G57)
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Tree's uprooted and suspension bridge destroyed.

Williams County

1 W Trenton	29	1915CST			0	0			Thunderstorm Wind (G52)
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Thunderstorm winds destroyed a grain bin.

Mountrail County

Stanley	29	1950CST			0	0			Thunderstorm Wind (G52) ^M
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Radio antenna blown over.

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>NORTH DAKOTA, Central and West</u>									
Renville County									
6 NW Mohall	29	2011CST			0	0			Thunderstorm Wind (G52) ^M
Bottineau County									
7 NW Maxbass	29	2040CST			0	0			Thunderstorm Wind (G52) ^M
Bottineau County									
Bottineau	29	2040CST			0	2			Thunderstorm Wind (G61) ^M
									Two people were injured by flying debris at a campground.
Ward County									
Surrey	29	2045CST			0	0			Thunderstorm Wind (G52) ^M
									Some tree damage reported.
Mercer County									
Beulah	29	2108CST			0	0			Thunderstorm Wind (G52)
<u>NORTH DAKOTA, East</u>									
Eddy County									
3 SE Sheyenne	08	2300CST			0	0			Hail(1.50)
Benson County									
St Michael	08	2310CST			0	0			Hail(1.50)
Grand Forks County									
Northwood	08	2315CST			0	0			Hail(1.75)
Ramsey County									
Devils Lake	08	2320CST 2324CST			0	0			Hail(1.25)
									The large hail broke lawn ornaments, caused roof damage, and dented cars. Two large car dealerships sustained heavy damage.
Nelson County									
2 S Mapes	08	2330CST			0	0			Hail(0.88)
Trail County									
Reynolds	08	2330CST			0	0			Hail(0.75)
Grand Forks County									
4 N Northwood	08	2345CST			0	0			Hail(1.75)
Griggs County									
4 N Sutton	09	0030CST			0	0			Hail(1.75)
Benson County									
4 N Oberon	09	0100CST			0	0			Thunderstorm Wind (G61)
									A 70 mph wind gust was reported.
Griggs County									
Cooperstown	09	0110CST			0	0			Hail(0.75)
Grand Forks County									
Grand Forks	09	0130CST 0530CST			0	0			Flash Flood
									Numerous city streets were flooded. Several cars were stranded along university avenue and 42nd street north on the UND campus. The Interstate 29 underpass north of U.S. Highway 2 filled with water and slowed traffic. Some basement flooding occurred and several UND buildings took on a bit of water.
Grand Forks County									
Grand Forks	09	0130CST			0	0			Lightning
									Lightning caused a house fire, resulting in major damage.
Eddy County									
New Rockford	09	0400CST 0600CST			0	0			Flash Flood
									Several streets were flooded.

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>NORTH DAKOTA, East</u>									
Benson County									
Minnewaukan	09	0500CST 1100CST			0	0			Flash Flood
Five inches of rain fell quickly and sent Devils Lake surging into the town of 300. A local church was surround by water.									
Ramsey County									
Devils Lake	09	0500CST 0700CST			0	0			Flash Flood
Roads were flooded in Devils Lake and 2 homes had partial basement collapses. The level of Devils Lake rose two-tenths of a foot.									
Nelson County									
Lakota	09	0700CST 0800CST			0	0			Flash Flood
Roads were flooded around Lakota.									
Cass County									
Fargo	09	0730CST 0930CST			0	0			Flash Flood
Many city streets were flooded by the heavy rain, especially 32nd avenue south and along 25th street south. NDSU took on water at the student union and electrical engineering buildings. Reports of stranded cars and basement flooding were received.									
Cass County									
Gardner	09	0905CST			0	0			Hail(0.75)
Grand Forks County									
Grand Forks	09	1200CST 1400CST			0	0			Flash Flood
Street flooding was reported. Roads were also closed near Arvilla and Thompson.									
Benson County									
Minnewaukan	10	0545CST			0	0			Hail(0.75)
Towner County									
Cando	10	0550CST			0	0			Hail(1.00)
Towner County									
7 NE Egeland	10	0625CST			0	0			Hail(0.75)
Cavalier County									
4 N Munich	10	0630CST			0	0			Hail(0.75)
Ramsey County									
2 SW Ramsey	10	0630CST			0	0			Hail(1.00)
Benson County									
1 E Maddock	10	0715CST			0	0			Hail(0.75)
Benson County									
Ft Totten	10	0830CST			0	0			Hail(1.00)
Ramsey County									
3 S Devils Lake	10	0830CST			0	0			Hail(0.75)
Pembina County									
1 S Neche	10	1025CST 1225CST			0	0			Flash Flood
Small streams were spilling out of their banks as 4 to 6 inches of rain fell.									
Cavalier County									
6 W Osabrock	10	1033CST			0	0			Hail(1.00)
NDZ007									
		Cavalier							
	10	1800CST			0	0			Flood
	21	1500CST							
Heavy rainfall on the 9th and 10th produced widespread flooding. Quite a bit of cropland ended up under lakes of water. The NDAWN station at Langdon reported 3.84 inches of rain during this period, but unofficial reports of 6 to 11 inches were received.									
NDZ008									
		Pembina							
	10	1900CST			0	0			Flood
	30	2359CST							

Storm Data and Unusual Weather Phenomena

June 2002

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

Heavy rainfall on the 9th and 10th produced widespread flooding across Pembina county. 6 to 11 inches of rainfall was reported, with the area around Backoo getting hit the worst. The retention dam at Icelandic State Park reached maximum capacity. The NDAWN mesonet site near Cavalier reported 5.74 inches of rain during this period. The river level on the Red River remained high even toward the end of the month, as more rainfall upstream brought a prolonged period of high water levels. The Red River at Drayton remained above flood stage for about the second half of the month, while the level at Pembina held near flood stage.

NDZ016

Eastern Walsh

12	0600CST				0	0			Flood
30	2359CST								

Heavy rainfall on the 9th and 10th and again on the 22nd and 23rd produced flooding over portions of Walsh county. The Red River at Oslo peaked three times over its moderate flood stage of 30 feet, due more in part to the heavy rainfall over its upstream tributaries. 16 road sites were closed due to flooding.

Benson County

3 E Harlow	14	1353CST			0	0			Hail(1.00)
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Benson County

6 SW Minnewaukan	14	1420CST			0	0			Hail(1.75)
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Benson County

5 SW Leeds	14	1450CST			0	0			Hail(1.50)
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Richland County

3 S Colfax	19	1520CST	0.2	25	0	0	2K		Tornado (F0)
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Several large trees were severely damaged along with some shingles.

Richland County

5 NW Galchutt	19	1520CST			0	0			Hail(1.25)
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Benson County

12 NW Warwick	22	0430CST			0	0			Hail(0.75)
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Ramsey County

8 SE Devils Lake	22	0440CST			0	0			Hail(0.75)
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Ramsey County

9 E Devils Lake	22	0525CST			0	0			Hail(0.75)
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Towner County

7 S Cando	22	0530CST			0	0			Hail(1.00)
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Benson County

8 NE Leeds	22	0535CST			0	0			Hail(0.88)
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Walsh County

Lankin	22	0545CST 0745CST			0	0			Flash Flood
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Basement flooding was reported.

Walsh County

Lankin	22	0545CST			0	0			Hail(0.75)
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Nelson County

10 N Lakota	22	0550CST			0	0			Hail(1.00)
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Nelson County

Lakota	22	0600CST			0	0			Hail(1.00)
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Walsh County

2 SW Lankin	22	0630CST			0	0			Hail(0.75)
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Nelson County

6 N Michigan City	22	0635CST			0	0	1K		Hail(1.50)
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Hail punched 12 holes in a fiberglass porch roof.

Benson County

1 NE Leeds	22	0700CST 0900CST			0	0			Flash Flood
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Roads and fields were flooded.

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>NORTH DAKOTA, East</u>									
Nelson County									
Dahlen	22	0705CST			0	0			Hail(0.88)
Pembina County									
5 N Drayton	22	0715CST			0	0			Hail(0.75)
Pembina County									
Drayton	22	0720CST			0	0			Hail(0.75)
Ramsey County									
5 N Churchs Ferry	22	0745CST 0945CST			0	0			Flash Flood
									Yards, fields, and basements were flooded.
Towner County									
Maza	22	0745CST 0945CST			0	0			Flash Flood
									Water backed up into yards and fields. Basement flooding was also reported.
Nelson County									
1 NW Tolna	22	0800CST			0	0			Hail(0.75)
Walsh County									
Pisek	22	0810CST			0	0			Hail(0.88)
Walsh County									
1 E Pisek	22	0830CST			0	0			Hail(0.75)
Nelson County									
1 N Petersburg	22	0900CST			0	0			Hail(0.75)
Walsh County									
Fordville	22	0900CST 1100CST			0	0			Flash Flood
									Water was flowing across highway 32.
Nelson County									
6 N Pekin	22	1300CST 1500CST			0	0			Flash Flood
									Water was reported to be crossing highway 1.
Sargent County									
11 W Gwinner	22	2200CST 2359CST			0	0			Flash Flood
									Highway 13 was under water.
Sargent County									
1 NE Gwinner	22	2215CST			0	0			Hail(0.75)
Ransom County									
5 E Sheldon	23	2130CST			0	0	30K		Thunderstorm Wind
									A pole barn was blown down.
Richland County									
Wyndmere	23	2145CST			0	0			Hail(0.75)
Griggs County									
Cooperstown	25	1230CST			0	0			Hail(0.75)
Steele County									
5 W Hope	25	1235CST	0.2	25	0	0			Tornado (F0)
									A brief tornado touchdown was reported.
Griggs County									
Karnak	25	1237CST			0	0			Funnel Cloud
									Multiple funnel clouds were reported.
Steele County									
5 N Luverne	25	1239CST			0	0			Hail(1.75)

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>NORTH DAKOTA, East</u>									
Steele County									
8 W Hope	25	1300CST			0	0			Hail(1.75)
Steele County									
7 N Luverne	25	1300CST	0.2	25	0	0			Tornado (F0)
			Several trees were blown over.						
Barnes County									
5 SW Pillsbury	25	1310CST			0	0			Hail(1.00)
Cass County									
3 SW Ayr	25	1344CST 1350CST			0	0			Hail(1.00)
Cass County									
4 S Ayr	25	1350CST 1405CST			0	0			Hail(1.75)
Cass County									
2 NW Wheatland	25	1410CST			0	0			Hail(0.88)
Walsh County									
11 W Park River	25	1410CST			0	0			Hail(0.75)
Traill County									
Buxton	25	1418CST 1420CST			0	0			Hail(1.00)
			Hail fell at the Interstate 29 exit at Buxton.						
Traill County									
6 E Reynolds	25	1422CST 1427CST			0	0			Hail(0.75)
Cass County									
2 SE Casselton	25	1433CST			0	0			Hail(0.88)
Grand Forks County									
8 SE Thompson	25	1433CST			0	0			Hail(0.88)
Traill County									
6 E Reynolds	25	1445CST 1500CST			0	0			Hail(1.50)
Ransom County									
Mc Leod	25	1455CST			0	0			Hail(0.75)
Ransom County									
5 SE Lisbon	25	1500CST			0	0			Hail(1.00)
Ransom County									
1 N Mc Leod	25	1505CST			0	0			Hail(0.75)
Grand Forks County									
2 E Mc Canna	25	1510CST			0	0			Hail(0.88)
Richland County									
10 NW Wyndmere	25	1520CST			0	0			Hail(0.75)
Sargent County									
Milnor	25	1520CST			0	0			Hail(0.88)
Richland County									
5 NW Lidgerwood	25	1550CST			0	0			Hail(1.00)
Richland County									
1 W Hankinson	25	1620CST			0	0			Hail(1.00)
Richland County									
1 E Lidgerwood	25	1622CST			0	0			Hail(1.00)

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>NORTH DAKOTA, East</u>									
Sargent County									
4 E Milnor	25	1630CST			0	0			Hail(0.75)
Eddy County									
New Rockford	29	2008CST			0	0	2K		Thunderstorm Wind
Strong winds blew down trees in New Rockford.									
Ramsey County									
Crary	29	2110CST			0	0			Thunderstorm Wind (G50) ^M
58 mph winds were measured by a NDAWN mesonet station.									
Walsh County									
Lankin	29	2220CST			0	0	50K		Thunderstorm Wind
Strong winds from a heat burst destroyed a metal pole barn and tossed it in some trees nearby. Three grain bins were damaged as well as a well and smoke house. Several trees in the yard were also flattened.									
Pembina County									
3 W Crystal	29	2250CST			0	0	2K		Thunderstorm Wind
Large trees were blown down across highway 66. A rapid temperature rise was also noted.									
Walsh County									
Park River	29	2310CST			0	0	2K		Thunderstorm Wind
Trees were blown down in Park River.									
Grand Forks County									
Grand Forks	30	0100CST			0	0	10K		Thunderstorm Wind (G63) ^M
A 73 mph wind gust was measured by a Davis system on the south end of Grand Forks. Many trees were blown down and the temperature rose to 98 degrees at the same time.									
Barnes County									
4 N Valley City	30	0110CST			0	0	1K		Thunderstorm Wind
Trees were blown down north of Valley City.									
Barnes County									
2 E Pillsbury	30	0205CST 0215CST			0	0			Hail(1.00)
<u>OHIO, East</u>									
Belmont County									
St Clairsville	03	2345EST			0	0	5K		Thunderstorm Wind
Thunderstorm winds downed several large trees.									
Belmont County									
Morristown	03	2347EST			0	0			Hail(0.75)
Belmont County									
Neffs	04	0140EST 0500EST			0	0	100K		Flood
Heavy thunderstorm rains forced creeks out of their banks producing flooding across the eastern part of the county. The Neffs area was especially hard hit. An emergency management official measured just over 3.0 inches of rain in a two-hour period. Several area residents were forced to evacuate their homes in the Neffs area as Little McMahon Creek, along with other small creeks, overflowed its banks. Some residents also reported losses of cars, motorcycles and other vehicles that were swept away in the high waters. Two baseball fields in the Neffs area were severely damaged by the flood waters. Across the southeast corner of the county, trees, rocks and mud slid down the hillside of State Route 7, just north of Powhatan Point, forcing the road to be closed for several hours.									
Muskingum County									
2 S Zanesville	04	0950EST			0	0	5K		Thunderstorm Wind
Thunderstorm winds downed several large trees.									
Muskingum County									
2 NW Zanesville	04	1319EST			0	0			Hail(0.75)

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>OHIO, East</u>									
Muskingum County									
Zanesville	04	1400EST 1630EST			0	0			Flood
Several rounds of heavy thunderstorm rains produced street flooding in downtown Zanesville.									
Guernsey County									
Senecaville	04	1430EST			0	0	2K		Thunderstorm Wind
Thunderstorm winds downed a few large trees.									
Muskingum County									
10 S Zanesville	04	1430EST			0	0	5K		Thunderstorm Wind
Thunderstorm winds downed several large trees and power lines.									
Guernsey County									
Byesville	04	1435EST 1700EST			0	0			Flood
Heavy thunderstorm rains produced street and roadway flooding in the Byesville area.									
Columbiana County									
Lisbon	04	1505EST			0	0	2K		Thunderstorm Wind
Thunderstorm winds downed a few large trees and power lines.									
Carroll County									
Minerva	04	1515EST			0	0			Hail(1.25)
Columbiana County									
Rogers	04	1529EST			0	0	5K		Thunderstorm Wind
Thunderstorm winds downed several trees and power lines.									
Belmont County									
Powhatan Pt	04	1530EST			0	0	2K		Thunderstorm Wind
Thunderstorm winds downed a few large trees and power lines.									
Carroll County									
Minerva	04	1552EST			0	0			Hail(1.00)
Columbiana County									
Summitville	04	1634EST			0	0			Hail(0.75)
Muskingum County									
Zanesville	05	1445EST			0	0			Hail(0.75)
Muskingum County									
Zanesville	05	1445EST			0	0	5K		Thunderstorm Wind
Thunderstorm winds downed several trees and power lines.									
Coshocton County									
Warsaw	05	1555EST			0	0	2K		Thunderstorm Wind
Thunderstorm winds downed a few trees and power lines.									
Tuscarawas County									
Ragersville	05	1615EST			0	0	5K		Thunderstorm Wind
Thunderstorm winds downed several trees in the Ragersville area, some of which fell across area roadways.									
Carroll County									
2 S Carrollton	05	1715EST			0	0	5K		Thunderstorm Wind
Thunderstorm winds downed several trees and power lines.									
Columbiana County									
1 S Salem	05	1715EST			0	0	2K		Thunderstorm Wind
Thunderstorm winds downed a few large trees.									
Muskingum County									
White Cottage	06	1040EST 1430EST			0	0			Flood
Several rounds of heavy thunderstorm rains produced roadway flooding across portions of southwest Muskingum County. Road closures were also reported in the Philo area.									

Storm Data and Unusual Weather Phenomena

June 2002

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

Belmont County

Countywide

06	1240EST 1530EST				0	0	50K		Flood
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Another round of heavy thunderstorm rains forced already-swollen creeks and streams out of their banks across the county. The Neffs and Centerville areas, already recovering from flooding earlier in the week, were again hit hard. In the Powhatan Point area, State Route 7 was closed for a period of time by mudslides.

Guernsey County

Countywide

06	1325EST 1500EST				0	0			Flood
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Heavy thunderstorm rains forced creeks and streams out of their banks across the county, temporarily flooding area roadways.

Monroe County

Clarington

06	1405EST 1600EST				0	0			Flood
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Heavy thunderstorm rains produced minor roadway flooding in the Clarington area

Noble County

Batesville

06	1405EST 1600EST				0	0			Flood
----	--------------------	--	--	--	---	---	--	--	-------

Heavy thunderstorm rains produced minor roadway flooding along State Route 147 in the Batesville area.

Coshocton County

Coshocton

06 09	2100EST 0130EST				0	0			Flood
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Heavy thunderstorm rains brought the Muskingum River at Coshocton over its flood stage of 13.0 feet during the late evening hours on June 6th. The river crested at 14.1 feet at around 10:00 PM on June 7th, then began to slowly recede, finally falling below flood stage at around 2:30 AM on June 9th. Only some minor roadway flooding near the river was reported during this time.

Belmont County

Somerton

13	1230EST 1530EST				0	0			Flood
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Heavy thunderstorm rains produced flooding along State Route 800 near Somerton.

Monroe County

Beallsville

13	1342EST 1530EST				0	0	10K		Flood
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Heavy thunderstorm rains produced basement and roadway flooding.

Harrison County

Harrisville

27	1223EST				0	0	5K		Thunderstorm Wind
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Thunderstorm winds downed several large trees.

Carroll County

1 N Malvern

27	1300EST				0	0	2K		Thunderstorm Wind
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Thunderstorm winds downed a few large trees.

Tuscarawas County

Newcomerstown

27	1338EST				0	0	5K		Thunderstorm Wind
----	---------	--	--	--	---	---	----	--	-------------------

Thunderstorm winds downed several large tree limbs and power lines.

Harrison County

Tippecanoe

27	1345EST				0	0	20K		Thunderstorm Wind
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Thunderstorm winds downed numerous trees and partially tore the roof from a house.

Guernsey County

2 NE Senecaville

27	1415EST				0	0	1K		Thunderstorm Wind
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Thunderstorm winds downed a large tree.

OHIO, North

Hancock County

Arlington

03	2010EST				0	0	5K		Hail(0.75)
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Dime size hail was observed.

Hancock County

Mt Blanchard

03	2020EST				0	0	5K		Hail(0.75)
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Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>OHIO, North</u>									
			Dime size hail was observed.						
Wyandot County									
Kirby	03	2035EST			0	0	2K		Hail(0.75)
			Dime size hail was observed three miles west of Kirby.						
Sandusky County									
Fremont	03	2100EST			0	0	10K		Thunderstorm Wind
			Thunderstorm winds downed several trees.						
Richland County									
Lexington	03	2110EST			0	0	5K		Hail(0.75)
			Dime size hail was observed east of Lexington near the intersection of Interstate 71 and State Route 13.						
Crawford County									
Crestline to Galion	03	2115EST 2300EST			0	0	50K		Flood
			Thunderstorms dumped over three inches of rain on southeastern Crawford County. Widespread street and lowland flooding occurred resulting in many roads being closed. Up to two feet of water was reported flowing over roads in Crestline.						
Richland County									
Countywide	03	2115EST			0	0	50K		Flood
			Thunderstorms dumped two to three inches of rain on the southern and western sections of Richland County. Widespread street and lowland flooding occurred. Several roads had to be closed due to flooding.						
Richland County									
Mansfield	03	2130EST			0	0	10K		Hail(1.00)
			Quarter size hail was observed.						
Seneca County									
Republic	04	1200EST			0	0	5K		Hail(0.88)
			Nickel size hail was reported six miles east of Republic.						
Seneca County									
Republic	04	1200EST			0	0	25K		Thunderstorm Wind (G52)
			Thunderstorm winds estimated at 60 mph tore the roof off of a barn six miles east of Republic.						
Seneca County									
Tiffin	04	1205EST			0	0	10K		Thunderstorm Wind
			Thunderstorm winds downed several trees along US Highway 224 near Tiffin.						
Huron County									
Wakeman	04	1210EST			0	0	2K		Hail(0.75)
			Dime size hail was observed two miles northeast of Wakeman.						
Lorain County									
Kipton	04	1215EST			0	0	5K		Hail(0.88)
			Nickel size hail was observed a mile and a half north of Kipton.						
Cuyahoga County									
North Royalton	04	1315EST			0	0	2K		Hail(0.75)
			Dime size hail was observed.						
Geauga County									
Newbury	04	1315EST			0	0	2K		Hail(0.75)
			Dime size hail was observed east of Newbury in Punderson State Park.						
Seneca County									
Countywide	04	1320EST 1345EST			0	0	20K		Thunderstorm Wind
			Thunderstorm winds downed many trees across the county.						
Summit County									
Macedonia	04	1335EST			0	0	15K		Thunderstorm Wind
			Thunderstorm winds downed six trees.						
Seneca County									
New Riegel	04	1336EST			0	0	75K		Lightning
			Lightning caused a house fire.						

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>OHIO, North</u>									
Trumbull County									
Mesopotamia	04	1350EST			0	0	5K		Thunderstorm Wind
			Thunderstorm winds downed two large trees.						
Portage County									
Atwater	04	1400EST			0	0	2K		Hail(0.75)
			Dime size hail was observed.						
Stark County									
Hartville	04	1400EST			0	0	5K		Hail(0.88)
			Nickel size hail was observed.						
Stark County									
Louisville	04	1442EST 1443EST			0	0	5K		Hail(0.88)
			Nickel size hail was reported.						
Stark County									
Louisville	04	1443EST			0	0	5K		Hail(0.88)
			Nickel size hail was observed.						
Mahoning County									
New Springfield	04	1445EST			0	0	2K		Thunderstorm Wind
			Thunderstorm winds downed several large tree limbs.						
Stark County									
Alliance	04	1452EST			0	0	10K		Hail(1.00)
			Quarter size hail was observed.						
Stark County									
Robertsville	04	1542EST			0	0	5K		Hail(0.88)
			Nickel size hail was reported east of Robertsville near Minerva.						
Stark County									
Lake Cable	04	1700EST			0	0	150K		Thunderstorm Wind
			Thunderstorm winds downed 30 to 40 trees and severely damaged two homes.						
Stark County									
Hartville	04	1705EST			0	0	2K		Hail(0.75)
			Dime size hail was observed.						
Wayne County									
Smithville	04	1708EST			0	0	2K		Hail(0.75)
			Dime size hail was observed.						
Wayne County									
Wooster	04	1712EST			0	0	10K		Hail(1.00)
			Quarter size hail was observed five miles north of Wooster.						
Wayne County									
Burton City	04	1727EST			0	0	10K		Hail(1.00)
			Quarter size hail was observed.						
Wayne County									
Burton City	04	1727EST			0	0	2K		Thunderstorm Wind
			Thunderstorm winds downed a large tree.						
Stark County									
Massillon	04	1751EST			0	0	10K		Hail(1.00)
			Quarter size hail was observed five miles north of Massillon.						
Richland County									
Lucas	04	1830EST			0	0	2K		Hail(0.75)
			Dime size hail was observed.						
Ashland County									
Jeromesville	04	1845EST			0	0	10K		Hail(1.00)
			Dime to quarter size hail was observed.						

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>OHIO, North</u>									
Wayne County									
Wooster	04	1915EST			0	0	10K		Hail(1.00)
	Quarter size hail was observed seven miles north of Wooster.								
Ashtabula County									
Pierpont	04	2230EST			0	0	10K		Hail(1.00)
	Quarter size hail was observed.								
Ashtabula County									
Pierpont	04	2230EST			0	0	5K		Thunderstorm Wind
	Thunderstorm winds downed several trees.								
Holmes County									
Millersburg	04	2330EST			0	0	8K		Thunderstorm Wind
	Thunderstorm winds downed several trees northeast of Millersburg along State Route 241.								
Holmes County									
Countywide	05	0005EST 0700EST			0	0	750K		Flash Flood
	Thunderstorms dumped three and one half inches of rain on Millersburg and over 5 inches of rain elsewhere in Holmes County during the evening hours of the 4th and early morning hours of the 5th. Widespread flooding occurred across the county with numerous roads and bridges washed out. Hardest hit was the south side of Millersburg where flood waters up to five feet in depth washed out sections of State Route 83 and US Highway 62 and damaged many homes and businesses. Near Killbuck, State Route 520 was washed out and a bridge over State Route 60 north of town was severely damaged. State Route 514 was damaged near Nashville and Township Road 264 was also washed out. A trained spotter measured 5.5 inches of rainfall ten miles west of Millersburg.								
Ashtabula County									
Pierpont	05	0030EST			0	0	2K		Hail(0.75)
	Dime size hail was observed four miles north of Pierpont.								
Stark County									
Hartville	05	1435EST			0	0	2K		Hail(0.75)
	Dime size hail was observed.								
Stark County									
Hartville	05	1435EST			0	0	2K		Hail(0.75)
	Dime size hail was observed.								
Morrow County									
Mt Gilead	05	1439EST			0	0	5K		Hail(1.00)
	Quarter size hail was observed.								
Stark County									
North Canton to Hartville	05	1459EST			0	0	50K		Thunderstorm Wind
	Thunderstorm winds downed a few trees in Plain and Lake Townships. A home was damaged by a tree in Lake Township west of Hartville.								
Summit County									
Fairlawn	05	1500EST			0	0	75K		Lightning
	Lightning caused a house fire.								
Stark County									
Hartville	05	1503EST			0	0	5K		Hail(1.00)
	Quarter size hail was observed just east of Hartville.								
Mahoning County									
Poland	05	1505EST			0	0	5K		Hail(1.00)
	Quarter size hail was observed.								
Knox County									
Mt Vernon	05	1510EST			0	0	15K		Thunderstorm Wind
	Thunderstorm winds downed a few trees.								
Holmes County									
Lakeville	05	1525EST			0	0	5K		Hail(0.75)
	Dime size hail was observed.								

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>OHIO, North</u>									
Wayne County									
Congress to Creston	05	1526EST 1530EST			0	0	10K		Thunderstorm Wind
									Thunderstorm winds downed trees near Congress and Creston.
Geauga County									
Bainbridge to Welshfield	05	1530EST			0	0	10K		Thunderstorm Wind
									Thunderstorm winds downed trees near Bainbridge and just north of Welshfield.
Holmes County									
Countywide	05	1530EST			0	0	35K		Thunderstorm Wind
									Thunderstorm winds downed many trees near Lakeville, Millersburg and Killbuck. A home in Killbuck was damaged by a tree.
Ashland County									
Ashland	05	1545EST			0	0	25K		Thunderstorm Wind
									Thunderstorm winds downed many trees. A store building was slightly damaged by flying debris.
Stark County									
Canton	05	1548EST			0	0	30K		Thunderstorm Wind
									Thunderstorm winds downed several trees and large tree limbs. At least one home was damaged by a fallen tree and a second home had a chimney toppled.
Trumbull County									
Countywide	05	1608EST 1625EST			0	0	25K		Thunderstorm Wind
									Thunderstorm winds downed many trees across the northern half of Trumbull County.
Summit County									
Richfield to Twinsburg	14	1525EST			0	0	5K		Thunderstorm Wind
									Thunderstorm winds downed trees in Richfield and Twinsburg.
Cuyahoga County									
University Hgts to Solon	14	1530EST 1542EST			0	0	5K		Thunderstorm Wind
									Thunderstorm winds downed trees in University Heights and Solon.
Geauga County									
Chesterland	14	1550EST			0	0	2K		Thunderstorm Wind
									Thunderstorm winds downed one tree and a large limb.
Huron County									
Collins	14	1550EST			0	0	5K		Hail(0.75)
									Dime size hail was observed.
Portage County									
Aurora	14	1550EST			0	0	2K		Thunderstorm Wind
									Thunderstorm winds downed two large limbs.
Hancock County									
Findlay	14	1555EST			0	0	5K		Hail(0.75)
									Dime size hail was observed.
Erie County									
Vermilion	14	1605EST			0	0	5K		Hail(0.75)
									Dime size hail was observed.
Lorain County									
Vermilion On The Lk	14	1615EST			0	0	2K		Hail(0.75)
									Dime size hail was observed.
Ashtabula County									
Orwell	14	1630EST			0	0	10K		Thunderstorm Wind
									Thunderstorm winds downed several trees in and around Orwell.
Trumbull County									
Mesopotamia	14	1630EST			0	0	2K		Hail(0.75)
									Dime size hail was observed.

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>OHIO, North</u>									
Sandusky County									
Fremont	21	1330EST			0	0	2K		Hail(0.75)
Dime size hail was observed.									
Ottawa County									
Port Clinton	21	1400EST			0	0	125K		Thunderstorm Wind
Thunderstorm winds downed at least a dozen trees. Three of the trees damaged houses. Three cars were also damaged.									
Erie County									
Sandusky	21	1410EST			0	0			Hail(0.75)
Dime size hail was observed.									
Erie County									
Sandusky	21	1410EST			0	0	10K		Thunderstorm Wind
Thunderstorm winds toppled two power poles.									
Cuyahoga County									
Cleveland	21	1420EST			0	0	25K		Thunderstorm Wind
Thunderstorm winds downed several trees.									
Ashtabula County									
Mechanicsville	21	1440EST			0	0	125K		Thunderstorm Wind
Thunderstorm winds downed at least five trees. Three buildings were damaged and a truck was destroyed. A grain bin was also toppled.									
Erie County									
Vermilion	21	1445EST			0	0			Thunderstorm Wind (G53)^M
A 61 mph thunderstorm wind gust was measured.									
Cuyahoga County									
Cleveland	21	1500EST			0	0	2K		Hail(0.75)
Dime size was observed.									
Lorain County									
North Ridgeville	21	1528EST			0	0	15K		Thunderstorm Wind
Thunderstorm winds downed two trees and several large limbs.									
Cuyahoga County									
Valley View	21	1532EST 1537EST			0	0	5K		Hail(0.75)
Dime size hail was observed.									
Cuyahoga County									
Garfield Hgts	21	1540EST			0	0	5K		Hail(0.75)
Dime size hail was observed.									
Cuyahoga County									
Garfield Hgts	21	1540EST			0	0	15K		Thunderstorm Wind
Thunderstorm winds downed several large trees.									
Geauga County									
Montville	21	1558EST			0	0	5K		Thunderstorm Wind
Thunderstorm winds downed two trees.									
Geauga County									
Montville to Parkman	21	1615EST 1625EST			0	0	3K		Thunderstorm Wind
Thunderstorm winds downed a tree near Montville and a large limb in Parkman.									
Ashtabula County									
Jefferson	21	1635EST			0	0	10K		Thunderstorm Wind
Thunderstorm winds downed several trees in and around Jefferson.									
Ashtabula County									
Ashtabula Co Arpt	21	1645EST			0	0			Thunderstorm Wind (G57)^M
A 66 mph thunderstorm wind gust was measured.									

Storm Data and Unusual Weather Phenomena

June 2002

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

Lake County

Madison	21	1645EST			0	0	10K	25K	Hail(1.00)
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Quarter size hail was observed five miles south of Madison. The hail damaged the grape crop at a vineyard.

Trumbull County

Mesopotamia	21	1645EST			0	0	2K		Hail(0.75)
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Dime size hail was observed.

Wayne County

Shreve	26	1530EST			0	0	75K		Thunderstorm Wind
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Thunderstorm winds downed 20 to 30 trees one mile east of Shreve along Valley Road. At least one home was damaged by the fallen trees.

Holmes County

Millersburg	26	1600EST			0	0	5K		Thunderstorm Wind
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Thunderstorm winds downed several large tree limbs near Millersburg.

Ashtabula County

Jefferson	26	1920EST			0	0	20K		Thunderstorm Wind
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Thunderstorm winds downed a tree in Jefferson and a second tree three miles south of town. The tree to the south of town damaged a parked car.

Stark County

Canton	27	1205EST			0	0	2K		Hail(0.75)
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Dime size was observed in Canton near Belden Village.

Knox County

Fredericktown	27	1210EST			0	0	8K		Thunderstorm Wind
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Thunderstorm winds downed at least three trees.

Knox County

Bladensburg	27	1250EST			0	0	10K		Thunderstorm Wind
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Thunderstorm winds downed four trees.

OHIO, Northwest

Van Wert County

2 NW Wren	04	1755EST			0	0			Hail(0.75)
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Van Wert County

5 SW Van Wert	04	1800EST			0	0			Hail(1.50)
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Van Wert County

3 NW Ohio City	04	1807EST			0	0			Hail(1.50)
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Williams County

Stryker	19	1100EST 1200EST			0	0	150K		Lightning
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Newspaper report of lightning striking home and entering kitchen through electrical service. Fire started in kitchen and spread through the home.

Van Wert County

Middle Pt	25	1540EST			0	0	2K		Thunderstorm Wind
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Emergency management reported several large tree limbs and power lines down. Siding was also blown off a home and a garage was damaged.

OHIO, Southeast

Perry County

Shawnee	02	0101EST			0	0			Hail(0.88)
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Perry County

Glenford	04	1400EST			0	0	1K		Thunderstorm Wind
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Several trees fell across roads.

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>OHIO, Southeast</u>									
Perry County									
3 NE Somerset	04	1400EST			0	0			Hail(0.75)
Perry County									
Somerset	04	1445EST			0	0			Hail(0.75)
Perry County									
2 SW Somerset	04	1530EST			0	0			Hail(0.88)
Perry County									
New Lexington	04	1545EST			0	0	1K		Thunderstorm Wind
									Large tree branches were blown down.
Perry County									
1 N Hemlock	04	1705EST			0	0			Hail(0.88)
Jackson County									
Coalton	04	1711EST			0	0			Hail(0.75)
Morgan County									
1 NE Chesterhill	04	1735EST			0	0			Hail(1.25)
Athens County									
Athens	04	1740EST 1745EST			0	0	200K		Thunderstorm Wind
									Numerous large trees and branches were blown down in the city. The Emergency Management Agency reported 2 houses were severely damaged by fallen trees. Trees also fell across roads, sidewalks, driveways, and yards. Electrical power was lost.
Meigs County									
.5 NW Darwin	04	1740EST			0	0			Hail(0.88)
Athens County									
Athens	04	1745EST			0	0			Hail(1.00)
Washington County									
5 NW Porterfield	04	1800EST			0	0	100K		Lightning
									An old ridgetop church on Route 3 in Decaturville burned down, after it was struck by lightning. Firefighters from 4 departments salvaged an organ and a few keepsakes of the church.
Washington County									
Marietta	04	1825EST 1830EST			0	0	10K		Thunderstorm Wind
									Several trees were blown down. The lightning intensity was also intense.
Athens County									
4 NW Coolville	04	1832EST			0	0	10K		Hail(1.25)
Meigs County									
Burlingham	04	1840EST			0	0	2K		Thunderstorm Wind
									Trees and large branches were fallen.
Gallia County									
Gallia	04	1900EST			0	0	1K		Thunderstorm Wind
									Large trees fell across Route 233 near the Jackson County line.
OHZ066									
Perry	06	0900EST 1100EST			0	0	2K		Flood
									A few roads were closed in Thorn Township. The sheriff's department reported some basement flooding around Thornville.
<u>OHIO, Southwest</u>									
Fairfield County									
5 NE Lancaster	04	1350EST 1353EST			0	0	20K		Thunderstorm Wind (G50)

Storm Data and Unusual Weather Phenomena

June 2002

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

Numerous trees and power lines were blown down across the eastern part of the county. There was minor damage to siding and gutters on a few homes on Betz Road, to the west of Lancaster.

Fairfield County

Lancaster	04	1525EST 1527EST			0	0			Hail(0.75)
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Hocking County

6 NW Logan	04	1620EST 1622EST			0	0			Hail(0.75)
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Adams County

4 E Peebles	04	1700EST 1703EST			0	0	5K		Thunderstorm Wind (G50)
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Trees were knocked down on State Route 73 between Pine Gap Road and Jaybird Road.

Adams County

5 S West Union	04	1719EST 1727EST			0	0	5K		Thunderstorm Wind (G50)
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Several trees were downed across the southern part of the county.

Scioto County

Otway	04	1740EST 1748EST			0	0	5K		Thunderstorm Wind (G50)
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Numerous trees were knocked down across the western part of the county.

Darke County

2 E Union City	05	1313EST 1314EST			0	0	5K		Hail(0.75)
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Darke County

2 E Union City	05	1313EST			0	0	5K		Thunderstorm Wind (G57) ^M
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Strong winds were responsible for a tree falling on a building in town, causing some minor damage.

Clark County

5 N Springfield	05	1341EST 1343EST			0	0			Hail(1.75)
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Butler County

Hamilton	05	1345EST 1347EST			0	0			Hail(0.88)
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Champaign County

Countywide	05	1350EST 1400EST			0	0			Thunderstorm Wind (G50)
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Power lines were downed across the county.

Montgomery County

Englewood	05	1350EST 1354EST			0	0	5K		Thunderstorm Wind (G50)
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Trees were knocked down along Union Road, and power lines were downed along US Route 40.

Miami County

Tipp City	05	1400EST 1403EST			0	0			Hail(0.75)
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Preble County

4 E Eaton	05	1400EST 1402EST			0	0	3K		Thunderstorm Wind (G50)
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Large tree limbs were downed with patio furniture destroyed at a residence.

Union County

Marysville	05	1415EST 1417EST			0	0	3K		Thunderstorm Wind (G50)
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Large limbs were downed along State Route 4. Three power poles fell along US Route 42 southeast of Marysville

Montgomery County

Huber Hgts	05	1421EST 1425EST			0	0	5K		Thunderstorm Wind
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Trees were knocked down throughout town, with one falling on a semitruck at the intersection of Taylorsville and Rip Rap Roads.

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<u>OHIO, Southwest</u>									
Montgomery County									
Vandalia	05	1421EST 1423EST			0	0	2K		Hail(0.75)
OHZ052>053-055>056-062-072-077			Champaign - Clark - Franklin - Licking - Greene - Clinton - Hamilton						
	05	1455EST 1815EST			0	0			Flood
A line of severe thunderstorms developed ahead of a frontal boundary during the early afternoon across the Miami Valley. Heavy rain accompanied the storms, causing high water on roadways and minor urban flooding in the Cincinnati and Columbus metro areas. Parked vehicles were trapped in standing water for a short time in Urbana.									
OHZ056-072-077>078-081-088			Licking - Clinton - Hamilton - Clermont - Adams - Scioto						
	06	0650EST 1130EST			0	0			Flood
Thunderstorms producing heavy rain moved across portions of southwest, south central and central Ohio during the morning hours. Many locations received two to three inches of rain, causing creeks to rise out of their banks and high water on roadways.									
OHZ053-060>062-073-073			Clark - Preble - Montgomery - Greene - Ross						
	13	1330EST 2230EST			0	0			Flood
Slow moving thunderstorms developed across south central Ohio during the late afternoon, producing locally heavy amounts of rain in a short time. Several reports of high water over roads were reported throughout Ross County into the early evening. More thunderstorms developed across the Miami Valley during the evening as a weak low pressure system moved through the Ohio Valley. High water closed several roads in the Dayton and Eaton areas. Basements were flooded on the south side of Dayton, mainly in Kettering and Miamisburg.									
Clark County									
4 S Springfield	13	2255EST 2325EST			0	0	10K		Flash Flood
Three to four inches of rain fell across southern Clark County as thunderstorms pushed slowly east during the late evening. A car was washed into a flooded ditch near the Springfield Airport along US 68. High water caused several road closures across the southern part of the county, with basements flooded on the south side of Springfield.									
Hamilton County									
2 S Forest Park	25	1437EST 1439EST			0	0			Hail(0.75)
Highland County									
5 W Hillsboro	25	1450EST 1452EST			0	0	5K		Thunderstorm Wind (G50)
Several trees were knocked down.									
OHZ077-080			Hamilton - Highland						
	25	1450EST 1545EST			0	0			Flood
There were numerous reports of high water over roadways across the south central and southwest portions of Ohio as isolated, slow moving thunderstorms moved across the area during the afternoon. The heavy rains washed out the ground underneath a house on a hillside in Westwood, leaving it on the verge of collapse									
Mercer County									
Celina	25	1532EST 1538EST			0	1	50K		Tstm Wind/Hail
High winds knocked down over 100 trees in the city, including twenty which were two feet in diameter or larger. There were several reports of trees falling on cars and homes producing minor damage. A woman sustained fractured ribs when a large branch struck her car during the storm. The storm also produced dime sized hail throughout town.									

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>OHIO, Southwest</u>									
Auglaize County									
Minster	25	1600EST 1602EST			0	0	5K		Thunderstorm Wind (G50)
Numerous trees fell near Minster and to the south of Saint Marys.									
Clinton County									
6 SE Wilmington	26	1315EST 1317EST			0	0	25K		Thunderstorm Wind (G50)
A barn was demolished on State Route 350 between Farmers Road and State Route 73.									
Shelby County									
1 SE Sidney	26	1442EST 1443EST			0	0			Hail(0.88)
Delaware County									
2 N Lewis Center	26	1620EST 1622EST			0	0	5K		Thunderstorm Wind (G50)
Several large trees were blown down.									
Franklin County									
5 N Columbus	26	1630EST 1633EST			0	0	10K		Thunderstorm Wind (G50)
Trees up to one foot in diameter and a few power poles were blown down near the intersection of Interstate 71 and North Broadway.									
Butler County									
Middletown	26	1712EST 1714EST			0	0	5K		Thunderstorm Wind (G50)
Trees and power lines were knocked down in the city.									
OHZ070									
Butler	26	1712EST 1812EST			0	0			Flood
A slow moving thunderstorm soaked the Middletown area, with high water reported on several roads in town. The basement of a church in town was flooded from the storm.									
Champaign County									
North Lewisburg	27	1116EST 1118EST			0	0			Hail(0.75)
Union County									
8 N Marysville	27	1140EST 1142EST			0	0	3K		Thunderstorm Wind (G50)
Trees were blown over on Kaiser Road.									
Delaware County									
1 SW Ostrander	27	1205EST 1207EST			0	0	3K		Thunderstorm Wind (G50)
Trees were knocked down on Stover Road. Other trees were reported down across the county.									
Licking County									
Countywide	27	1230EST 1244EST			0	0	5K		Thunderstorm Wind (G50)
Trees were blown down across the county.									
Franklin County									
New Albany	27	1245EST 1247EST			0	0	5K		Thunderstorm Wind (G50)
Several trees were knocked down in the far northeast part of the county.									
Darke County									
8 NE Union City	27	1325EST			0	1			Lightning
Greene County									
Fairborn	27	1433EST 1435EST			0	0	5K		Thunderstorm Wind (G50)
Several trees ranging from two to ten inches in diameter were knocked down at the Wright-Patterson AFB Golf Club.									
Franklin County									
2 N Whitehall	27	1505EST 1507EST			0	0	5K		Thunderstorm Wind (G50)

Storm Data and Unusual Weather Phenomena

June 2002

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

Trees were blown down just south of Port Columbus International Airport.

Franklin County

1 N Reynoldsburg	27	1530EST 1532EST			0	0	10K		Thunderstorm Wind (G50)
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Strong winds peeled siding off a house, causing minor structural damage. Trees were also blown down throughout the area.

Licking County

2 S Utica	27	1530EST 1534EST			0	0	5K		Thunderstorm Wind (G50)
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Trees were knocked down across the northern part of the county.

Madison County

4 N London	27	1530EST 1532EST			0	0	3K		Thunderstorm Wind (G50)
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Trees were knocked down at the intersection of US 42 and Spring Valley Road, and throughout the central part of the county.

Montgomery County

Kettering	30	1600EST			0	9			Lightning
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Lightning struck a tree near a home where an outdoor party was occurring. Nine people standing near the tree suffered minor injuries including burned feet. One person was held overnight at the local hospital for observation, but everyone else affected was treated and released the same evening.

OKLAHOMA, Eastern

Osage County

Burbank	04	1545CST			0	0			Thunderstorm Wind (G61)
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Thunderstorm winds estimated at 70 miles an hour blew a few trees down.

Osage County

Pawhuska	04	1620CST			0	0			Hail(0.75)
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Osage County

Pawhuska	04	1620CST			0	0			Thunderstorm Wind (G52)
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Thunderstorm winds estimated at 60 miles an hour blew down large tree limbs.

Osage County

2 SE Okesa	04	1645CST			0	0			Thunderstorm Wind (G52)
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Osage County

2 NW Okesa	04	1701CST			0	0			Hail(1.00)
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Osage County

4 SE Bowring	04	1710CST			0	0			Hail(0.88)
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Washington County

Bartlesville	04	1710CST			0	0	5K		Thunderstorm Wind (G61)
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Thunderstorm winds estimated at 70 miles an hour blew down power lines and trees.

Washington County

Bartlesville	04	1730CST 1900CST			0	0	10K		Flash Flood
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The thunderstorm which produced damaging winds moments earlier also produced a quick 1.44 inches of rain. This rain caused severe street flooding. A few cars were stranded in the flooded streets.

Nowata County

2 S Childers	04	1805CST			0	0			Thunderstorm Wind (G61)
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Thunderstorm winds estimated at 70 miles an hour blew down trees.

Pittsburg County

Countywide	05	0240CST 0430CST			0	0			Flash Flood
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Storm Data and Unusual Weather Phenomena

June 2002

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

Thunderstorms produced heavy rain during the early morning hours. McAlester reported 3.38 inches of rain. To the northeast of McAlester this heavy rain caused severe street flooding in Quinton and also caused water to flow over Highway 71 near Quinton. Near McAlester water flooded the playing fields and parking lots at the Pittsburg County Softball Complex. In addition, to the west of McAlester, State Highway 31 was temporarily closed due to high water between the Steven W. Taylor Industrial Park and Haywood.

Latimer County Northeast Portion

05	0300CST 0430CST				0	0			Flash Flood
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Thunderstorms produced heavy rain during the early morning hours. Red Oak received 2.71 inches of rain. This heavy rain caused numerous county roads to be flooded in the northeast part of Latimer county.

Haskell County South Portion

05	0400CST 0500CST				0	0			Flash Flood
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Thunderstorms produced heavy rain during the early morning hours. Stigler received 2.86 inches of rain. This rain flooded numerous county roads in the southern part of Haskell county.

OKZ076

Le Flore

06	0200CST 2100CST				0	0			Flood
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The Poteau River near Panama rose above its flood stage of 29 feet at 3 am cdt on June 6th. The river crested at 29.7 feet the same day before falling below its flood stage at 10 pm cdt that evening.

Osage County 12 W Burbank

12	1714CST				0	0			Hail(0.75)
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Osage County 15 W Burbank

12	1830CST				0	0			Thunderstorm Wind (G52)
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Osage County Fairfax

12	1925CST				0	0			Thunderstorm Wind (G52)
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Osage County Fairfax

12	2000CST 2100CST				0	0			Flash Flood
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Heavy thunderstorm rains caused severe street flooding along main street in Fairfax.

Tulsa County Tulsa

12	2120CST				0	0			Thunderstorm Wind (G52)
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Thunderstorm winds estimated at 60 miles an hour blew down large tree limbs near the intersection of 75th Street south and Mingo.

Tulsa County Broken Arrow

12	2125CST				0	0			Thunderstorm Wind (G61)
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Thunderstorm winds estimated at 70 miles an hour blew down a tree.

Okfuskee County Okemah

12	2245CST				0	0			Thunderstorm Wind (G52)
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Thunderstorm winds estimated at 60 miles an hour blew down large tree limbs.

Latimer County Red Oak

13	0015CST				0	0			Thunderstorm Wind (G52)
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Thunderstorm winds estimated at 60 miles an hour blew down large tree limbs.

Okfuskee County Okemah

13	1230CST				0	0	1K		Thunderstorm Wind (G52)
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Thunderstorm winds estimated at 60 miles an hour damaged the canopy on the north side of a gas station.

Okfuskee County Okemah

13	1300CST 1500CST				0	0			Flash Flood
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A thunderstorm produced 2.17 inches of rain at Okemah in a short time. This rain caused severe street flooding. A few streets on the north side of the city had to be barricaded.

Pittsburg County 4 S Weathers

13	1315CST				0	0			Thunderstorm Wind (G52)
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Choctaw County 6.5 N Boswell

13	1317CST				0	0			Thunderstorm Wind (G52)
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Storm Data and Unusual Weather Phenomena

June 2002

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

OKLAHOMA, Eastern

Thunderstorm winds estimated at 60 miles an hour damaged the top of a few trees.

OKZ058

Ottawa

13	1700CST				0	0			Flood
15	2000CST								

The Neosho River near Commerce rose above its flood stage of 15 feet at 6 pm cdt on June 13th. The river crested at 17.5 feet at 1 am cdt on June 15th. The river fell below its flood stage at 9 pm cdt on the same day.

OKLAHOMA, Extreme Southeast

NONE REPORTED.

OKLAHOMA, Panhandle

Texas County

2 E Goodwell	02	2000CST			0	0			Thunderstorm Wind (G51) ^M
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Texas County

2 E Goodwell	02	2015CST			0	0			Thunderstorm Wind (G50) ^M
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Texas County

2 E Goodwell	02	2035CST			0	0			Thunderstorm Wind (G52) ^M
--------------	----	---------	--	--	---	---	--	--	--------------------------------------

Texas County

2 E Goodwell	02	2040CST			0	0			Thunderstorm Wind (G57) ^M
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Texas County

2 E Goodwell	02	2045CST			0	0			Thunderstorm Wind (G53) ^M
--------------	----	---------	--	--	---	---	--	--	--------------------------------------

Texas County

2 E Goodwell	02	2050CST			0	0			Thunderstorm Wind (G51) ^M
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Severe thunderstorms over the central Oklahoma panhandle during the evening hours produced some high winds.

Cimarron County

Felt	04	1800CST			0	0			Thunderstorm Wind (G69)
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A severe thunderstorm with very high winds moved across the western Oklahoma panhandle during the early evening hours.

Beaver County

5 N Forgan	15	1654CST			0	0			Hail(0.75)
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Beaver County

Forgan	15	1659CST			0	0			Hail(1.75)
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Beaver County

7 WSW Turpin	15	1703CST 1709CST	0.2	25	0	0			Tornado (F0)
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The tornado remained over open country and caused no damage. The tornado path length and width were estimated.

Severe thunderstorms producing large hail and an isolated tornado moved across the eastern Oklahoma panhandle during the early evening hours. No damage or injuries were reported from the tornado.

Cimarron County

Griggs	17	1731CST			0	0			Hail(0.75)
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Texas County

Goodwell	17	1754CST			0	0			Hail(0.88)
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Texas County

Goodwell	17	1756CST			0	0	15K		Thunderstorm Wind (G61)
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Damage was reported to out buildings.

Cimarron County

Griggs	17	1815CST			0	0			Hail(0.75)
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Cimarron County

Griggs	17	1821CST			0	0			Hail(0.75)
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Storm Data and Unusual Weather Phenomena

June 2002

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

Severe thunderstorms containing damaging high winds and hail moved across the western and central Oklahoma panhandle during the early evening hours.

OKLAHOMA, Western, Central and Southeast

Dewey County									
1 S Cestos	04	1212CST			0	0			Hail(0.75)
Beckham County									
1 N Erick	04	1230CST			0	0			Hail(1.00)
Major County									
Chester	04	1240CST			0	0			Hail(0.75)
Dewey County									
2 S Putnam	04	1318CST			0	0			Hail(0.75)
Greer County									
Willow	04	1335CST			0	0			Hail(0.75)
Kay County									
2 N Blackwell	04	1400CST			0	0			Flash Flood
High water forced the closing of Bender Road and Highway 177 at Bitter Creek. One family was evacuated.									
Comanche County									
Lawton	04	1700CST 1800CST			0	0	15K		Flash Flood
High water forced the closings of the intersection of NW 14th and Andrews Road and two other intersections. One vehicle was abandoned in high water.									
Oklahoma County									
Oklahoma City	04	1930CST			0	0	25K		Lightning
Lightning struck a house on Sage Avenue, igniting a fire that destroyed the garage.									
Dewey County									
Oakwood	08	1436CST			0	0			Hail(0.75)
Alfalfa County									
1 SSW Cherokee	08	1610CST			0	0			Thunderstorm Wind (G51) ^M
Wind was measured by the Oklahoma mesonet.									
Washita County									
Burns Flat	08	1629CST			0	0			Hail(0.75)
Washita County									
5 S Burns Flat	08	1710CST			0	0			Flash Flood
Flooding occurred at the intersection of Highway 152 and I-44.									
Cleveland County									
Norman	08	1820CST			0	0			Hail(0.75)
Hail was reported at the intersection of I-35 and Main St.									
Cleveland County									
2 NW Norman	08	1830CST			0	0			Hail(0.75)
Cleveland County									
4 W Norman to 5 NW Norman	08	1830CST			0	0	50K		Thunderstorm Wind
A small area of severe winds accompanied a thunderstorm across a one mile wide area from four miles west of Norman to five miles northwest of Norman. Trees were uprooted. Fences were blown over, and minor structural damage was sustained to roofs and guttering.									
Caddo County									
4 NNW Ft Cobb	08	1900CST			0	0			Thunderstorm Wind (G73) ^M
Wind was measured by the Oklahoma mesonet.									
Washita County									
5 SSE Corn	08	1900CST			0	0	20K		Flash Flood

Storm Data and Unusual Weather Phenomena

June 2002

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

A car was forced off a bridge by fast-flowing water. Seven inches of rain was measured in the area.

Caddo County 2 SW Albert	08	1905CST			0	0	5K		Thunderstorm Wind
Trees were blown down at the Fort Cobb golf course.									
Caddo County 4 NNW Ft Cobb	08	1905CST			0	0			Thunderstorm Wind (G64) ^M
Wind was measured by the Oklahoma mesonet.									
Caddo County Ft Cobb	08	1910CST			0	0			Hail(1.25)
Caddo County 4 NNW Ft Cobb	08	1910CST			0	0	2K		Thunderstorm Wind (G57) ^M
Wind was measured by the Oklahoma mesonet. Irrigation equipment was blown over, and trees were also downed.									
Caddo County 6 SW Anadarko	08	1930CST			0	0	0.01K		Thunderstorm Wind
Large tree limbs were downed.									
Kay County Blackwell	12	1513CST			0	0			Hail(1.00)
Kay County Blackwell	12	1525CST			0	0			Hail(1.75)
Woods County 4 N Camp Houston	12	1535CST			0	0			Hail(0.75)
Kay County Blackwell	12	1545CST			0	0			Hail(0.88)
Kay County Blackwell	12	1602CST			0	0			Hail(1.75)
Kay County 7 E Blackwell	12	1617CST			0	0			Hail(0.88)
Kay County Ponca City	12	1620CST			0	0			Hail(1.00)
Woods County 14 N Camp Houston	12	1623CST			0	0			Hail(1.75)
Kay County Ponca City	12	1630CST			0	0	50K		Lightning
Lightning struck the Conoco refinery, causing a fire.									
Kay County Ponca City	12	1653CST			0	0			Thunderstorm Wind (G52) ^M
Woods County Alva	12	1703CST			0	0			Hail(1.00)
Woodward County 13 N Mooreland	12	1714CST			0	0			Hail(0.88)
Woods County 2 S Alva	12	1725CST			0	0			Thunderstorm Wind (G60) ^M
Wind was measured by the Oklahoma mesonet.									
Woods County 2 S Alva	12	1730CST			0	0			Thunderstorm Wind (G61) ^M
Wind was measured by the Oklahoma mesonet.									
Woods County 2 S Alva	12	1735CST			0	0			Thunderstorm Wind (G64) ^M
Wind was measured by the Oklahoma mesonet.									

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
OKLAHOMA, Western, Central and Southeast									
Woods County									
2 W Dacoma	12	1742CST			0	0			Hail(0.88)
Woods County									
Freedom	12	1742CST			0	0			Hail(0.75)
Woods County									
Alva	12	1745CST			0	0	15K		Thunderstorm Wind
		A tower was blown over.							
Woods County									
Dacoma	12	1805CST			0	0			Hail(0.88)
Kay County									
Ponca City	12	1810CST			0	0			Flash Flood
		Extensive street flooding was reported.							
Alfalfa County									
1 E Aline	12	1813CST			0	0			Thunderstorm Wind (G52)
Alfalfa County									
Aline	12	1820CST			0	0	0.01K		Thunderstorm Wind
		Large tree limbs were downed.							
Kay County									
Ponca City	12	1829CST			0	0			Hail(1.75)
Alfalfa County									
1 E Aline	12	1830CST			0	0			Hail(0.75)
Alfalfa County									
1 E Aline	12	1830CST			0	0	0.01K		Thunderstorm Wind
		Large tree limbs were downed.							
Ellis County									
7 ENE Catesby to 6 ENE Catesby	12	1830CST 1835CST	1	50	0	0	20K		Tornado (F1)
		This tornado tracked about one mile, destroying a windmill and damaging trees, before dissipating.							
Ellis County									
15 N Gage	12	1834CST			0	0			Hail(1.75)
Kay County									
4 S Blackwell	12	1835CST			0	0			Thunderstorm Wind (G50) ^M
		Wind was measured by the Oklahoma mesonet.							
Kay County									
4 S Blackwell	12	1840CST			0	0			Thunderstorm Wind (G51) ^M
		Wind was measured by the Oklahoma mesonet.							
Woodward County									
3 SE Ft Supply	12	1840CST			0	0	0.50K		Hail(1.75)
		House windows were broken.							
Major County									
4 S Ringwood	12	1900CST			0	0	0.01K		Thunderstorm Wind
		Large tree limbs were downed.							
Woodward County									
2 SW Woodward	12	1905CST			0	0			Thunderstorm Wind (G51) ^M
		Wind was measured by the Oklahoma mesonet.							
Custer County									
5 SW Butler	12	1910CST			0	0			Thunderstorm Wind (G57) ^M
		Wind was measured by the Oklahoma mesonet.							
Woodward County									
Woodward	12	1910CST			0	0			Hail(1.00)

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>OKLAHOMA, Western, Central and Southeast</u>									
Woodward County									
2 SW Woodward	12	1910CST			0	0			Thunderstorm Wind (G60) ^M
			Wind was measured by the Oklahoma mesonet.						
Custer County									
5 SW Butler	12	1915CST			0	0			Thunderstorm Wind (G50) ^M
			Wind was measured by the Oklahoma mesonet.						
Kingfisher County									
3 N Hennessey	12	1920CST			0	0			Thunderstorm Wind (G52)
Garfield County									
5 S Drummond	12	1932CST			0	0			Hail(0.75)
Kay County									
2 SW Braman	12	1933CST			0	0			Flash Flood
			Water flowed over parts of Interstate 35.						
Major County									
Ames	12	1935CST			0	0	1K		Thunderstorm Wind
			Flag poles were downed, and an awning was damaged.						
Noble County									
7 SE Red Rock	12	1935CST 1940CST			0	0			Thunderstorm Wind (G58) ^M
			Wind was measured by the Oklahoma mesonet.						
Ellis County									
17 N Gage	12	1940CST			0	0			Hail(1.75)
Harper County									
Laverne	12	1945CST			0	0			Hail(1.00)
Harper County									
1 SE Laverne	12	1945CST			0	0	30K		Thunderstorm Wind
			Seven power poles were snapped in half. A mobile home was overturned, and a large barn was destroyed.						
Noble County									
Perry	12	1945CST			0	0	2K		Lightning
			Lightning struck several power lines, causing power outages across the city.						
Woodward County									
1 SE Cedardale	12	2000CST			0	0	0.20K		Thunderstorm Wind
			A basketball goal was blown down.						
Kingfisher County									
4 SE Hennessey	12	2010CST			0	0			Thunderstorm Wind (G52)
Noble County									
3 W Perry	12	2020CST			0	0	0.01K		Thunderstorm Wind
			Large tree limbs were downed.						
Logan County									
2 N Crescent	12	2025CST			0	0			Thunderstorm Wind (G52)
Kingfisher County									
2 NE Kingfisher	12	2035CST			0	0			Thunderstorm Wind (G51) ^M
			Wind was measured by the Oklahoma mesonet.						
Canadian County									
5 W El Reno	12	2100CST			0	0			Thunderstorm Wind (G51) ^M
			Wind was measured by the Oklahoma mesonet.						
Canadian County									
3 SE Union City	12	2115CST			0	0			Hail(0.75)
Oklahoma County									
1 E Edmond	12	2125CST			0	0			Thunderstorm Wind (G64) ^M

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
OKLAHOMA, Western, Central and Southeast									
Logan County									
1 SE Mulhall	12	2130CST			0	0	0.01K		Thunderstorm Wind
			Large tree limbs were downed.						
Cleveland County									
6 E Norman	12	2200CST			0	0			Thunderstorm Wind (G60)
Pottawatomie County									
Shawnee	12	2215CST			0	0			Thunderstorm Wind (G52)
OKZ037-037									
Tillman									
12	12	2225CST 2231CST			0	0			High Wind (G57) ^M
A non-thunderstorm wind gust of 57 knots was measured four miles south of Tipton by the Oklahoma mesonet									
Numerous severe thunderstorms developed across north central and northwest Oklahoma during the afternoon and early evening of the 12th, before moving southward and dissipating. In addition to reports of golf ball size hail (1.75 inches in diameter) and winds to 75 mph, there were reports of flash flooding in Ponca City (Kay County) and a tornado near Catesby in northern Ellis County.									
Custer County									
Thomas	13	0740CST			0	0	25K		Flash Flood
			Cars were washed off of roads and into ditches.						
Stephens County									
Duncan	13	1020CST			0	0	0.01K		Thunderstorm Wind
			Large tree limbs were downed.						
Woods County									
10 NE Camp Houston	15	1635CST			0	0			Hail(0.75)
Woods County									
4 NW Capron	15	1646CST			0	0			Thunderstorm Wind (G61)
Woods County									
7 SW Alva	15	1705CST			0	0			Thunderstorm Wind (G55) ^M
			Wind was measured by the Oklahoma mesonet.						
Alfalfa County									
8 E Byron	15	1710CST			0	0			Thunderstorm Wind (G69)
Woods County									
7 SW Alva	15	1710CST			0	0			Thunderstorm Wind (G54) ^M
			Wind was measured by the Oklahoma mesonet.						
Alfalfa County									
1 SW Cherokee	15	1715CST			0	0			Thunderstorm Wind (G50) ^M
			Wind was measured by the Oklahoma mesonet.						
Garfield County									
3 NW Carrier	15	1740CST			0	0			Thunderstorm Wind (G52)
Grant County									
2 S Nash	15	1740CST			0	0	0.01K		Thunderstorm Wind
			Large tree limbs were downed.						
Major County									
5 N Meno	15	1745CST			0	0			Thunderstorm Wind (G52)
Garfield County									
Enid	15	1800CST			0	0			Thunderstorm Wind (G61)
Garfield County									
1 S Bison	15	1817CST			0	0			Thunderstorm Wind (G52)
Kingfisher County									
3 N Hennessey	15	1817CST			0	0			Thunderstorm Wind (G52)
Dewey County									
Taloga	15	1830CST			0	0	0.01K		Thunderstorm Wind
			Two inch diameter tree limbs were downed.						

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>OKLAHOMA, Western, Central and Southeast</u>									
Noble County									
Billings	15	1830CST			0	0	0.01K		Thunderstorm Wind
			Large tree limbs were downed.						
Logan County									
Marshall	15	1833CST			0	0			Thunderstorm Wind (G52)
Roger Mills County									
5 NW Sweetwater	15	1845CST			0	0			Thunderstorm Wind (G69)
Beckham County									
6 NNW Mayfield	15	1855CST			0	0			Thunderstorm Wind (G52)
Canadian County									
6 N Piedmont	15	1855CST			0	0			Thunderstorm Wind (G52)
Custer County									
Weatherford	15	1858CST			0	0			Thunderstorm Wind (G56)
Roger Mills County									
6 SW Cheyenne	15	1900CST			0	0			Thunderstorm Wind (G54) ^M
			Wind was measured by the Oklahoma mesonet.						
Custer County									
Weatherford	15	1901CST			0	0			Thunderstorm Wind (G69)
Caddo County									
Hydro	15	1905CST			0	0			Thunderstorm Wind (G52)
Custer County									
4 W Weatherford	15	1905CST			0	0			Thunderstorm Wind (G64) ^M
			Wind was measured by the Oklahoma mesonet.						
Beckham County									
4 E Erick	15	1910CST			0	0			Thunderstorm Wind (G52) ^M
			Wind was measured by the Oklahoma mesonet.						
Beckham County									
Sayre	15	1910CST			0	0			Thunderstorm Wind (G61)
Custer County									
4 W Weatherford	15	1910CST			0	0			Thunderstorm Wind (G72) ^M
			Wind was measured by the Oklahoma mesonet.						
Custer County									
4 W Weatherford	15	1915CST			0	0			Thunderstorm Wind (G61) ^M
			Wind was measured by the Oklahoma mesonet.						
Washita County									
6 N Colony	15	1915CST			0	0	0		Thunderstorm Wind
			A thirteen hundred pound hay bale was blown by the wind.						
Blaine County									
10 WSW Geary	15	1920CST			0	0	0.01K		Thunderstorm Wind
			Large tree limbs were downed.						
Caddo County									
7 W Hinton	15	1925CST			0	0			Thunderstorm Wind (G56) ^M
			Wind was measured by the Oklahoma mesonet.						
Beckham County									
Retrop	15	1930CST			0	0			Thunderstorm Wind (G52)
Kiowa County									
12 NW Lone Wolf	15	1930CST			0	0			Thunderstorm Wind (G69)
Washita County									
2 S Old Retrop	15	1930CST			0	0			Thunderstorm Wind (G60) ^M
			Wind was measured by the Oklahoma mesonet.						

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>OKLAHOMA, Western, Central and Southeast</u>									
Caddo County									
4 NW Ft Cobb	15	1940CST			0	0			Thunderstorm Wind (G55) ^M
			Wind was measured by the Oklahoma mesonet.						
Greer County									
5 SE Mangum	15	1945CST			0	0			Thunderstorm Wind (G52) ^M
			Wind was measured by the Oklahoma mesonet.						
Greer County									
5 SE Mangum	15	1950CST			0	0			Thunderstorm Wind (G60) ^M
			Wind was measured by the Oklahoma mesonet.						
Harmon County									
4 W Hollis	15	1950CST			0	0			Thunderstorm Wind (G65)
Kiowa County									
4 SE Hobart	15	1950CST			0	0			Thunderstorm Wind (G54) ^M
			Wind was measured by the Oklahoma mesonet.						
Caddo County									
4 S Anadarko	15	1955CST			0	0			Thunderstorm Wind (G52)
Harmon County									
3 W Gould	15	1955CST			0	0			Thunderstorm Wind (G61) ^M
			Wind was measured by the Oklahoma mesonet.						
Harmon County									
5 E Hollis	15	1958CST			0	0			Thunderstorm Wind (G63)
Greer County									
5 SE Mangum	15	2000CST			0	0			Thunderstorm Wind (G50) ^M
			Wind was measured by the Oklahoma mesonet.						
Harmon County									
3 W Gould	15	2000CST			0	0			Thunderstorm Wind (G50) ^M
			Wind was measured by the Oklahoma mesonet.						
Kiowa County									
2 S Lugert	15	2000CST			0	1	0.50K		Thunderstorm Wind
			High winds blew large trees over at Quartz Mountain State Park, about two miles south of Lugert. A man was hit by a falling tree, causing a severe concussion, a broken leg, and internal injuries.						
Caddo County									
4 NE Apache	15	2005CST			0	0			Thunderstorm Wind (G51) ^M
			Wind was measured by the Oklahoma mesonet.						
Grady County									
Minco	15	2005CST			0	0			Thunderstorm Wind (G52)
Caddo County									
4 NE Apache	15	2010CST			0	0			Thunderstorm Wind (G51) ^M
			Wind was measured by the Oklahoma mesonet.						
Jackson County									
3 S Altus	15	2010CST			0	0			Thunderstorm Wind (G54) ^M
			Wind was measured by the Oklahoma mesonet.						
Kiowa County									
2 W Mountain Park	15	2015CST			0	0			Thunderstorm Wind (G52)
Caddo County									
Anadarko	15	2020CST			0	0			Thunderstorm Wind (G61)
Comanche County									
Lawton	15	2020CST			0	0			Thunderstorm Wind (G52)
Grady County									
4 NW Rush Spgs	15	2020CST			0	0			Thunderstorm Wind (G63) ^M
			Wind was measured by the Oklahoma mesonet.						

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>OKLAHOMA, Western, Central and Southeast</u>									
Grady County									
4 NW Rush Spgs	15	2025CST			0	0			Thunderstorm Wind (G53) ^M
	Wind was measured by the Oklahoma mesonet.								
Tillman County									
4 S Tipton	15	2025CST			0	0			Thunderstorm Wind (G50) ^M
	Wind was measured by the Oklahoma mesonet.								
Tillman County									
4 S Tipton	15	2035CST			0	0			Thunderstorm Wind (G50) ^M
	Wind was measured by the Oklahoma mesonet.								
Tillman County									
3 W Grandfield	15	2045CST			0	0			Thunderstorm Wind (G62) ^M
	Wind was measured by the Oklahoma mesonet.								
Cotton County									
1 NW Walters	15	2050CST			0	0			Thunderstorm Wind (G50) ^M
	Wind was measured by the Oklahoma mesonet.								
Tillman County									
3 W Grandfield	15	2050CST			0	0			Thunderstorm Wind (G73) ^M
	Wind was measured by the Oklahoma mesonet.								
Cotton County									
1 NW Walters	15	2055CST			0	0			Thunderstorm Wind (G59) ^M
	Wind was measured by the Oklahoma mesonet.								
Cotton County									
1 NW Walters	15	2100CST			0	0			Thunderstorm Wind (G51) ^M
	Wind was measured by the Oklahoma mesonet.								
Tillman County									
Grandfield	15	2100CST			0	0	10K		Thunderstorm Wind
	Part of a restaurant roof blew off.								
Stephens County									
Comanche	15	2103CST			0	0			Thunderstorm Wind (G52)
Stephens County									
3 S Corum	15	2114CST			0	0			Thunderstorm Wind (G56)
Jefferson County									
1 E Waurika	15	2130CST			0	0			Thunderstorm Wind (G51) ^M
	Wind was measured by the Oklahoma mesonet.								
Jefferson County									
5 W Addington	15	2133CST			0	0			Thunderstorm Wind (G52)
	A line of severe thunderstorms developed near the Kansas/Oklahoma border during the late afternoon of the 15th and moved southward during the evening. High winds accompanied the line with only a few reports of hail. The most severe thunderstorms affected southwest Oklahoma and portions of western north Texas, from near Reydon and Sweetwater in Roger Mill County Oklahoma, south-southeastward through Hollis, Mangum, Altus, and Frederick in Oklahoma, and Quanah, Crowell, Benjamin, Munday, Seymour, and Archer City in Texas. Wind speeds between 80-100 mph were measured or estimated in these areas. One injury was reported at Quartz Mountain State Park, in southwest Kiowa County, when a tree fell on a man.								
Harper County									
8 E Selman	26	1418CST			0	0			Hail(0.75)
Ellis County									
Arnett	26	1540CST			0	0			Hail(2.00)
Roger Mills County									
7 SW Roll	26	1705CST			0	0			Hail(0.88)
Roger Mills County									
7 SW Roll	26	1705CST			0	0	0.01K		Thunderstorm Wind (G56)
	Two to three inch diameter tree limbs were also downed.								

Storm Data and Unusual Weather Phenomena

June 2002

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

ORZ044	Lower Columbia Basin								
	09	1500PST			0	0	162K		High Wind
	High winds toppled a sixteen foot hangar at the Lexington Airport. One plane was damaged.								
Jefferson County									
15 SW Culver to Culver	14	1200PST			0	0			Wild/Forest Fire
	16	1800PST							
	Lightning on June 13th started the Geneva Fire which burned 194 acres.								

OREGON, Northwest

NONE REPORTED.

OREGON, Southeast

Baker County									
10 W Dixie	23	1325PST			0	0			Flash Flood
		1445PST							
Malheur County									
8 E Malheur City	23	1425MST			0	0			Flash Flood
		1545MST							
	Slow-moving thunderstorms dropped very heavy rainfall over the Rye Valley area near the Baker-Malheur County line. A 150 foot long section of Dixie Creek Road was covered with over a foot of mud and a section of Rye Valley Road, near the county line, was washed out including nearby telephone lines.								
Malheur County									
Jordan Vly	24	1655MST			0	0			Hail(1.00)
		1720MST							
	Afternoon thunderstorms fired up along the Malheur County, Oregon and Owyhee County, Idaho border. One inch diameter hail fell in Jordan Valley, Oregon, near the Idaho border.								

OREGON, Southwest

ORZ029>031									
Klamath Basin - Northern & Eastern Klamath County & Western Lake County - Central & Eastern Lake County									
	07	0525PST			0	0			Extreme Cold
	08	0800PST							
	See below.								
	A Frost Warning was issued for the above zones at the above times. Reported lows ranged from 23 to 28, so the observations actually met the criteria for a Freeze Warning.								
ORZ029>031									
Klamath Basin - Northern & Eastern Klamath County & Western Lake County - Central & Eastern Lake County									
	08	0558PST			0	0			Extreme Cold
	09	0800PST							
	See below.								
	A Frost Warning was issued for the above zones at the above times. Reported lows ranged from 30 to 34, so it is likely that the warning verified. No frost was reported, however.								
Klamath County									
Chemult	14	0815PST			0	0			Lightning
	Chemult Ranger Station reported 0.5" hail, 0.50" rain, strong winds, and lots of lightning with thunderstorm that occurred on 08/13. A Severe Thunderstorm Warning was issued for Northern Klamath county (ORZ030) at 1923 PDT on 06/13 and expired at 1949 PST on 06/13. Reports were solicited during the event and the following morning, but no verifying reports were recorded. The report above came the closest.								

PACIFIC

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>PACIFIC</u>									
NOT RECEIVED.									
<u>PENNSYLVANIA, Central</u>									
Warren County Sheffield	04	1515EST			0	0			Hail(1.00) Quarter sized hail was reported in Sheffield.
Mckean County Bradford	04	1520EST			0	0			Thunderstorm Wind (G50) Trees were down in Bradford.
Clearfield County Chester Hill	04	1640EST			0	0			Thunderstorm Wind (G50) Trees were reported down in Chester Hill.
Mckean County Lewis Run	04	1651EST			0	0			Hail(1.00) Quarter sized hail was reported in Lewis Run.
Centre County State College	04	1835EST			0	0			Hail(0.75) Penny sized hail was reported in State College.
Huntingdon County Petersburg	04	1900EST			0	0			Thunderstorm Wind (G50) Trees were down near Petersburg.
Centre County State College	04	1910EST			0	0			Thunderstorm Wind (G50) Trees were down in State College.
Centre County Potters Mills	05	1555EST 1600EST			0	0			Thunderstorm Wind (G50) Trees and wires were down in Potters Mills.
Clearfield County 7 N Morann	05	1600EST			0	0			Thunderstorm Wind (G50) Trees and wires were down in Jeffries, 7 miles north of Morann.
Mifflin County Belleville	05	1620EST			0	0			Thunderstorm Wind (G70) A construction vehicle was overturned.
Clinton County Salona	05	1620EST			0	0			Thunderstorm Wind (G50) Trees were reported down in Salona.
Centre County Philipsburg	05	1645EST			0	0			Thunderstorm Wind (G50) Trees and wires were down in Philipsburg.
Franklin County Waynesboro	05	1650EST			0	0			Thunderstorm Wind (G50) Trees and power lines were down in Waynesboro.
Lycoming County Williamsport	05	1653EST			0	0			Hail(1.00) Quarter sized hail was reported in Williamsport.
Warren County Youngsville	05	1700EST			0	0			Thunderstorm Wind (G60) Trees were down in Youngsville.
Lycoming County Williamsport	05	1700EST			0	0	4K		Thunderstorm Wind

Storm Data and Unusual Weather Phenomena

June 2002

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

Numerous trees were down in Williamsport. Also, the roof of a barn was blown off. One trailer was destroyed from flying debris.

Warren County

Warren	05	1700EST 1900EST			0	0			Flash Flood
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Heavy rains caused flash flooding in Warren County in the city of Warren. Rain caused a rock and mud slide, which closed portions of route 6 and route 62, just south of the intersection of the two roads.

Franklin County

Zullinger	05	1709EST			0	0	5K		Thunderstorm Wind
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A roof was blown off of a car dealership in Zullinger.

Mckean County

Kane	05	1715EST			0	0			Thunderstorm Wind (G50)
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Trees were reported down in Kane.

Sullivan County

Laporte	05	1730EST			0	0			Thunderstorm Wind (G50)
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Trees were reported down in Laporte.

Sullivan County

Mildred	05	1740EST			0	0			Thunderstorm Wind (G50)
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Trees were down in Mildred.

Cumberland County

Carlisle	05	1815EST			0	0	10K		Thunderstorm Wind
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A roof was partially ripped off of the W.G. Rice Elementary School in Carlisle. Damage affected several classrooms, including 2 computers.

Sullivan County

Dushore	05	2040EST			0	0			Thunderstorm Wind (G50)
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Trees were reported down in Dushore.

York County

Spring Grove	06	1650EST			0	0			Thunderstorm Wind (G50)
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Trees were down in Spring Grove.

Lancaster County

Lancaster	06	1730EST			0	0	20K		Thunderstorm Wind
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Numerous trees were downed in Lancaster. Several cars were damaged from the falling trees on West King Street. On South Prince Street, moderate damage was sustained by a home due to strong winds. Another home on Maple Avenue was damaged by a falling tree. On Millersville Road, a travel-trailer was flipped over by the wind.

Lancaster County

Ephrata	18	1610EST			0	0			Thunderstorm Wind (G50)
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Trees were down in Ephrata.

Perry County

Landisburg	18	1735EST			0	0			Hail(1.00)
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Quarter sized hail was reported in Landisburg.

York County

York	19	1415EST			0	0			Hail(0.75)
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Dime sized hail was reported in York.

York County

Craley	19	1430EST			0	0			Thunderstorm Wind (G50)
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Trees were reported down in Craley.

Adams County

Mc Sherrystown	19	1700EST			0	0			Hail(1.00)
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Quarter sized hail was reported in McSherrystown.

Clearfield County

4 NW Westover	27	1135EST			0	0			Thunderstorm Wind (G50)
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Trees were down in Harmony, 4 miles northwest of Westover.

Centre County

Bellefonte	27	1145EST			0	0			Thunderstorm Wind (G50)
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Storm Data and Unusual Weather Phenomena

June 2002

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

Trees were down in Bellefonte.

Clearfield County
Curwensville

27	1302EST 1600EST				0	0			Flash Flood
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Heavy thunderstorm rains caused flash flooding over portions of Clearfield County. Flooding began at 2:02 pm local time. Most extensive flooding was noted in the city of Curwensville, where numerous streets were closed due to flooding. Flood waters receded by 5:00 pm.

Elk County
St Marys

27	1415EST				0	0			Thunderstorm Wind (G75)
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Around 100 trees were downed in St. Marys in a wooded area along State Route 1001, bordering State Game Lands #25. The area of town is known locally as Haneys Hill.

Centre County
Centre Hall

27	1505EST				0	0			Thunderstorm Wind (G50)
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Trees were reported down in Centre Hall.

Potter County
Shinglehouse

27	1510EST				0	0			Thunderstorm Wind (G50)
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Trees were down in Shinglehouse.

Union County
Swengel

27	1526EST				0	0	5K		Thunderstorm Wind
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A roof was blown off of a church in Swengel.

Franklin County
Greencastle

27	1645EST				0	0			Hail(0.75)
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Penny sized hail was reported in Greencastle.

Lebanon County
Fredericksburg

27	1645EST				0	0	250K		Thunderstorm Wind (G100)
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Straight line winds caused damage in Lebanon County as determined by a NWS Storm Survey Team. Wind speeds were estimated between 90 and 100 mph. Damage, which occurred between 5:45 pm and 5:50 pm local time, took place in a path 3 miles wide by 4 miles long. Most of the damage occurred in the town of Fredericksburg. Hundreds of trees were downed, and hail the size of golfballs (1.75 inch) was observed. At the Farmers Pride Airport, 2 airplane hangers were damaged and 5 aircraft were destroyed.

Cumberland County
Shiremanstown

27	1645EST				0	0			Thunderstorm Wind (G62)^M
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Measured wind gusts of 62 mph were reported in Shiremanstown.

Adams County
Gettysburg

27	1655EST				0	0			Thunderstorm Wind (G50)
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Trees were down in Gettysburg.

Union County
Mifflinburg

27	1656EST				0	0			Thunderstorm Wind (G50)
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Trees were down in Mifflinburg.

Cumberland County
Newville

27	1736EST				0	0			Thunderstorm Wind (G50)
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Trees were down in Newville.

PENNSYLVANIA, East

PAZ060>062-067>071

Berks - Lehigh - Northampton - Chester - Montgomery - Bucks - Delaware - Philadelphia

01	0000EST				0	0	0		Drought
30	2359EST								

Eastern Pennsylvania entered June 2002 with improving weather conditions with respect to the drought, but the drought emergency remained in effect for most of Eastern Pennsylvania with mandatory watering restrictions in place. Only Carbon and Monroe Counties were in drought watch status. The Delaware River Basin Commission, which oversees water supply throughout the Delaware River Basin declared a "drought" on December 3, 2001 when the supply of water in the New York City reservoir system dropped below a designated level for early December. The commission declared a drought emergency on December 18, 2001. Both triggered additional reductions in the amount of water released from the reservoirs into the Delaware River and the amount diverted out of the Delaware River Basin to New York City and New Jersey. Diversions to New York City dropped from 800 million gallons

Storm Data and Unusual Weather Phenomena

June 2002

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

A lightning strike of a transformer in Jim Thorpe knocked out power to 33 customers for one hour and a half. The rain also loosened a boulder that fell off a hill and blocked the southbound lane of U.S. Route 209 in the Packerton section of Jim Thorpe. No injuries or damaged were reported.

Montgomery County Southeast Portion

06	2000EST 2300EST				0	0			Flash Flood
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Thunderstorms with heavy rain caused stream flooding as well as poor drainage flooding in southeastern Montgomery County. Storm totals exceeded three inches in parts of this area. The worst reported flooding was in Horsham Township, Hatboro Borough and Upper Moreland Township. In Horsham, a vehicle became stuck in a flooded stream on Blair Mill Road. Hatboro police blocked several flooded roadways as did Upper Moreland police. Flood waters reached up to two homes on Mill Road in Upper Moreland. Storm totals included 3.42 inches in Whitpain Township, 1.92 inches in Wynnewood and 1.72 inches at the Willow Grove NAS. No serious injuries were reported.

Philadelphia County Philadelphia

07	0045EST 0107EST				0	0	0	0	Urban/Sml Stream Fld
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Runoff from the heavier rain in lower Montgomery County pushed the Wissahickon Creek briefly above flood stage in Philadelphia during the predawn hours on the 7th. The Wissahickon Creek near its mouth in Philadelphia crested at 5.02 feet at 2 a.m. EDT on the 6th. Flood stage is 5 feet and the creek was at or above flood stage from 145 a.m. through 207 a.m. EDT on the 7th.

Montgomery County Abington

11	1745EST				0	1			Thunderstorm Wind (G57)
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A microburst caused considerable tree damage in a ten block area of Abington Township. Trees as large as 90 foot elms were knocked down. About 40 homeowners reported tree damage. One motorist was injured when a tree fell on his minivan and trapped him. Several homes were damaged by downed trees. Damage was concentrated in the area bounded by Susquehanna Road, Welsh Road, Edge Hill Road and York Road. The worst damage occurred on Edge Hill Road, Rockwell Avenue, Jericho Road and Wheatshaf Road. One tree was also uprooted in Upper Moreland Township. PECO Energy reported 6,000 of its customers lost power. All power was restored by the morning of the 12th.

Northampton County 1 W Bath to Palmer Hgts

12	1325EST 1335EST				0	0			Thunderstorm Wind (G56)
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A severe thunderstorm snapped several poles and pulled down wires in College Hill Borough and East Allen, Hanover and Palmer Townships. One tree in Palmer Township was ignited by the downed wires.

Lehigh County East Texas

12	1355EST				0	0			Thunderstorm Wind (G50)
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A couple of trees were knocked down by a severe thunderstorm in lower Macungie Township.

Bucks County Springtown

12	1408EST				0	0			Thunderstorm Wind (G50)
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A severe thunderstorm pulled down large tree limbs and wires on two roadways in Springfield Township.

Chester County Rosedale

18	1720EST				0	0			Thunderstorm Wind (G50)
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A large tree and several tree limbs were pulled down by a severe thunderstorm in Kennett Township.

Montgomery County Wynnewood

18	1750EST				0	0			Thunderstorm Wind (G52)
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A severe thunderstorm pulled down three trees onto some wires in Wynnewood (Lower Merion Township).

Philadelphia County Philadelphia

18	1815EST				0	0			Thunderstorm Wind (G50)
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Several large tree limbs and wires were pulled down by a severe thunderstorm in the northeast part of Philadelphia.

Carbon County Northwest Portion

19	1330EST 1500EST				0	0			Flash Flood
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Slow moving thunderstorms with heavy rain dropped a Doppler Radar estimated three to four inches of rain within two hours across extreme northwest Carbon County. This caused poor drainage and stream flooding, particularly in Packer Township.

Montgomery County Plymouth Vly

19	1450EST				0	0			Hail(0.75)
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Philadelphia County Roxborough

19	1510EST				0	0			Thunderstorm Wind (G50)
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Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>PENNSYLVANIA, East</u>									
Philadelphia County									
Philadelphia	19	1514EST 1515EST			0	0			Hail(0.75)
A severe thunderstorm dropped penny size hail in a couple of places within Philadelphia including Center City. Gusty winds also pulled wires down in the Roxborough section of the city.									
Montgomery County									
Bala Cynwyd	19	1510EST			0	0			Hail(1.75)
Hail as large as golf balls covered the ground in Bala Cynwyd (Lower Merion Township).									
Philadelphia County									
Countywide	19	1630EST 1830EST			0	0			Urban/Sml Stream Fld
Slow moving thunderstorms with heavy rain dropped a Doppler Radar estimated one to two inches of rain within two hours across parts of Philadelphia County. This caused urban and poor drainage flooding. Some of the worst reported flooding was on the Schuylkill Expressway.									
Chester County									
Kennett Square to 2 NE Kennett Square	19	1735EST			0	0			Hail(0.88)
A severe thunderstorm dropped dime to nickel size hail from Kennett Square northeast to Longwood Gardens in Kennett Township.									
Chester County									
Southeast Portion	19	1800EST 1930EST			0	0			Flash Flood
Slow moving thunderstorms with heavy rain dropped a Doppler Radar estimated three to four inches of rain within two hours across extreme southeast Chester County and adjacent locations of New Castle County Delaware. This caused poor drainage and stream flooding, particularly in Kennett Township.									
PAZ067>071									
Chester - Montgomery - Bucks - Delaware - Philadelphia									
	24	0900EST			4	0			Excessive Heat
	27	1900EST							
The first prolonged period of heat and humidity of the season claimed the life of four people in Southeast Pennsylvania. A 9-year-old girl suffering from cerebral palsy and asthma died of heat stroke while at Sesame Place in Langhorne (Bucks County). Her body temperature was measured at 108F. The other three heat related deaths were elderly women within Philadelphia who had no air conditioning and their windows closed. In order to combat the heat, the city of Philadelphia opened their heat emergency hot lines and kept air-conditioned senior citizen centers opened late. The heat caused the Pennsylvania Turnpike near Valley Forge (Chester County) to buckle. A strong cold frontal passage during the evening of the 27th ended the hot spell.									
Highest temperatures included 99 degrees in Springfield (Delaware County), 98 degrees at the Franklin Institute within Philadelphia and Green Lane (Montgomery County), 95 degrees at the Philadelphia International Airport and New Hope (Bucks County), 94 degrees in West Chester and Valley Forge (Chester County) and Perkasio (Bucks County) and 93 degrees in Pottstown (Montgomery County). F9OU, F86PH, F76PH, F75PH									
Montgomery County									
Narberth	24	1550EST			0	0			Thunderstorm Wind (G50)
A severe thunderstorm pulled down numerous tree limbs in Narberth and Conshohocken.									
Bucks County									
Perkasie	24	1550EST			0	0			Thunderstorm Wind (G52)
A severe thunderstorm pulled down several large trees in Perkasie.									
Bucks County									
Hilltown to 2 SW Hulmeville	24	1605EST 1655EST			0	0			Thunderstorm Wind (G56)
A severe thunderstorm caused considerable tree damage from Hilltown Township south along the Bucks/Montgomery County line to Bensalem Township. About 15,000 PECO Energy customers lost power in Bucks and Montgomery Counties because of the wind and the lightning. About 1,600 cloud-to-ground lightning strikes occurred in their service area between 3 p.m. and 9 p.m. EDT. The worst wind damage occurred in Hilltown and New Britain Townships where dozens of trees were knocked down. In Hilltown Township, Upper Stump Road was hit the hardest. In New Britain Township, a fallen large tree crushed the studio of a home. Several roads were closed by fallen trees including State Route 152. In Chalfont Borough, downed trees blocked Main Street for hours. A few trees were knocked down in Doylestown. In Upper Southampton Township, a downed tree damaged one house. In Lower Southampton Township in Feasterville, a fallen tree knocked over a chimney. Two people were also trapped in their vehicle by a downed tree, but were not harmed. Wind damage extended into Bensalem Township where some wires were pulled down.									
Philadelphia County									
Philadelphia	24	1625EST			0	0			Hail(1.00)

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>PENNSYLVANIA, East</u>									
Montgomery County									
.1 NE Bryn Mawr	24	1645EST			0	0			Thunderstorm Wind (G50)
A severe thunderstorm pulled down large tree limbs and wires along Byberry Road in Lower Moreland Township. PECO Energy reported about 15,000 of its customers lost power in Montgomery and Bucks Counties.									
Philadelphia County									
Philadelphia	24	1650EST			0	0			Thunderstorm Wind (G52)
A severe thunderstorm pulled down three trees on the same block in Northeast Philadelphia.									
Monroe County									
6 NW Tobyhanna	26	1221EST			0	0			Hail(1.75)
Monroe County									
Tobyhanna	26	1230EST			0	0			Thunderstorm Wind (G52)
Golf ball size hail fell on Interstate 380 near the Monroe/Lackawanna County border. The same thunderstorm knocked down trees, tree limbs and power lines in Blakeslee and Tobyhanna.									
Carbon County									
Northeast Portion	26	1430EST 1630EST			0	0			Flood
Monroe County									
North Portion	26	1430EST 1830EST			0	0			Flood
A series of thunderstorms with very heavy rain caused flooding along some of the smaller creeks in Carbon and Monroe Counties. Adjusted Doppler Radar Storm Total Estimates indicated between 5 and 6 inches of rain fell in parts of northeastern Carbon County and between 4 and 5 inches of rain fell across parts of the northern half of Monroe County, mainly to the north of Interstate 80. An automated gage on the Tobyhanna Creek in Blakeslee along the Monroe/Carbon County line recorded 5.23 inches of rain within four hours. Pennsylvania State Route 115 near the creek was flooded. No serious injuries or damage was reported.									
Monroe County									
Long Pond	26	1505EST			0	0			Thunderstorm Wind (G52)
A severe thunderstorm knocked over trees in Tunkhannock Township.									
Monroe County									
Mt Pocono to Skytop	26	1525EST 1540EST			0	0			Thunderstorm Wind (G52)
Monroe County									
Pocono Summit	26	1525EST			0	0			Hail(0.88)
A severe thunderstorm dropped nickel size hail in Pocono Summit and downed trees, tree limbs and power lines from Mount Pocono east through Skytop and Cresco.									
Montgomery County									
2 NE Green Lane	26	1540EST			0	0			Thunderstorm Wind (G52)
A severe thunderstorm tore down a few trees in Marlborough Township.									
Bucks County									
Milford Square	26	1555EST			0	0			Thunderstorm Wind (G50)
A severe thunderstorm tore down wires and large tree limbs in Milford Township.									
Berks County									
Lyons to Maxatawny	26	1615EST 1625EST			0	0			Thunderstorm Wind (G50)
A severe thunderstorm tore down several wires and tree limbs in the northeast part of Berks County.									
Lehigh County									
Hosensack	26	1633EST			0	0			Thunderstorm Wind (G52)
A severe thunderstorm tore down several trees in Lower Milford Township. Pennsylvania Power and Light (PPL) reported about 9,000 of its customers lost power in the Lehigh Valley.									
Northampton County									
Bethlehem	26	1645EST			0	0			Thunderstorm Wind (G52)
A severe thunderstorm tore down trees and wires in and around Bethlehem, north of the Lehigh River. In Bethlehem Township, one garage and vehicle were flattened by a downed tree. Pennsylvania Power and Light (PPL) reported about 9,000 of its customers lost power in the Lehigh Valley.									

Storm Data and Unusual Weather Phenomena

June 2002

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

Northampton County

Danielsville to Moorestown	27	1510EST			0	0			Thunderstorm Wind (G52)
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A severe thunderstorm pulled down trees in Lehigh and Moore Townships.

Lehigh County

Fogelsville to Limeport	27	1511EST 1530EST			0	0			Thunderstorm Wind (G52)
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Severe thunderstorms knocked over trees and wires across the southern half of Lehigh County. The worst wind damage was reported in Upper Macungie and Upper Saucon Townships. In Upper Macungie Township, numerous trees and wires were knocked down near the intersection of Interstate 78 and Pennsylvania State Route 100. Pennsylvania Power and Light reported about 7,300 of its customers in its service area (including the Lehigh Valley) lost power because of the thunderstorms.

Bucks County

Pleasant Vly to Upper Black Eddy	27	1537EST 1542EST			0	0			Thunderstorm Wind (G50)
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A severe thunderstorm tore down power lines and large tree limbs in Springfield and Bridgeton Townships. Pennsylvania Power and Light reported about 7,300 of its customers in its service area (including upper Bucks County) lost power because of the thunderstorms.

Northampton County

Hellertown to Easton	27	1540EST 1600EST			0	0			Thunderstorm Wind (G56)
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A severe thunderstorm knocked over numerous trees and wires across the southern part of Northampton County from Hellertown east through Lower Saucon Township, Bethlehem Township and Easton. A huge tree was knocked down in Easton and blocked one intersection. Pennsylvania Power and Light reported about 7,300 of its customers in its service area (including the Lehigh Valley) lost power because of the thunderstorms. In addition, Metropolitan Edison reported about 2,000 of its customers lost power in Northampton County including Easton.

Northampton County

Easton	27	1540EST			0	0	0		Lightning
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A lightning bolt struck a transfer switch on a building on Washington Street in Easton and caused an electrical fire. No major damage or injuries were reported.

Northampton County

East Portion	27	1540EST 1800EST			0	0			Flash Flood
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In addition to the wind, thunderstorms brought very heavy rain and caused some flooding, especially in the eastern part of the county. Pennsylvania State Route 248 was flooded as was a half mile stretch of Pennsylvania State Route 611 in Williams Township. A mudslide pushed mud into the driveways and basements of a few township homes near Route 611 in the township. A SKYWARN Spotter in Williams Township measured 3.07 inches of rain. In Bath, 2.30 inches of rain fell. In both places most of the rain fell within one hour.

Berks County

Countywide	27	1650EST 1800EST			0	0			Thunderstorm Wind (G61)
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A line of severe thunderstorms knocked down several trees and wires throughout Berks County, hitting the western part of the county the hardest. Numerous trees were knocked down in the Eagles Peak Campground area. A few homes and garages were damaged by fallen trees in Bethel and Upper Tulpehocken Townships. No serious injuries were reported.

Berks County

Stouchsburg	27	1705EST	0.3	30	0	0	0		Tornado (F0)
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An F0 (on the Fujita Scale) tornado touched down in a corn field in Stouchsburg in Marion Township. The tornado appeared embedded within a broader area of straight-line wind damage which affected the township and Berks County. The path length was about one-quarter of a mile and the path width was about 30 yards. Other than the corn, no other damage or injuries was reported.

Carbon County

Ashfield	27	1720EST			0	0			Thunderstorm Wind (G52)
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A severe thunderstorm knocked down several trees and caused interruptions to phone and power services in East Penn Township.

Northampton County

Nazareth to Bath	27	1750EST			0	0			Thunderstorm Wind (G50)
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A severe thunderstorm tore down large tree limbs and power lines in Bath and Nazareth. Pennsylvania Power and Light reported about 7,300 of its customers in its service area (including the Lehigh Valley) lost power because of the thunderstorms. In addition, Metropolitan Edison reported about 2,000 of its customers lost power in Northampton County including Bath and Nazareth.

Storm Data and Unusual Weather Phenomena

June 2002

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

Bucks County

Countywide	27	1815EST 1920EST			0	0			Thunderstorm Wind (G57)^M
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A line of severe thunderstorms knocked down trees, wires and large tree limbs in Bucks County. PECO Energy reported about 9,000 of its customers lost power in the county. It was about half of the outages reported in their entire service area. A SKYWARN Spotter in Chalfont measured a peak wind gust of 66 mph.

Chester County

West Chester	27	1855EST			0	0			Thunderstorm Wind (G52)
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A line of severe thunderstorms produced damaging winds in the southeast part of Chester County. Trees and wires were knocked down in West Chester and New Garden Township. PECO Energy reported about 20,000 of its customers lost power because of the thunderstorms in their southeastern Pennsylvania service area including Chester County.

Montgomery County

East Norriton	27	1900EST			0	0			Thunderstorm Wind (G52)
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A severe thunderstorm knocked down trees and wires in and around East Norriton Township. PECO Energy reported about 6,000 of its customers lost power in Montgomery County.

Philadelphia County

Germantown to Philadelphia	27	1925EST 1930EST			0	0			Thunderstorm Wind (G52)
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A severe thunderstorm knocked down trees and wires in Germantown and South Philadelphia. PECO Energy reported about 20,000 of its customers lost power because of the severe thunderstorms in southeastern Pennsylvania, including Philadelphia.

Philadelphia County

Philadelphia	27	2006EST 2022EST			0	0	0		Urban/Sml Stream Fld
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Thunderstorms with heavy rain dropped about an inch of rain in one hour in Philadelphia. The heavy rain caused the Frankford Creek to briefly crest above flood stage. The creek's Castor Avenue gage was above its 7 foot flood stage from 906 p.m. EDT to 922 p.m. EDT and crested at 7.67 feet at 915 p.m. EDT. The storm total at the Franklin Institute was 1.03 inches. No injuries or damage were reported.

PENNSYLVANIA, Northeast

Bradford County

Athens	05	1810EST			0	0	10K		Thunderstorm Wind (G50)
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Dozens of trees downed from strong thunderstorm winds in the town of Athens. The damage occurred in the area of Mile Lane Road, Mill's Pride, and the airport. There was also numerous power outages.

Luzerne County

Hazleton	17	1830EST 1832EST			0	0	11K		Lightning
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A lightning strike to the Hazleton City Hall building disabled all but the police department phones plus three other phones. Almost all of the phone system in the building will have to be rebuilt. A second lightning strike moments later took out the traffic light at the intersection of Church and Green Streets.

Pike County

Lackawaxen to Shohola	26	1255EST 1310EST			0	0	50K		Thunderstorm Wind (G60)
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Several trees and power wires down in Lackawaxen. In nearby Shohola, dozens of trees were downed. These trees took down lines. The lines and trees blocked three major roads leading out of town. These roads were State Route 434, Twin Lakes Road, and Lackawaxen Roads. A state of emergency was declared in Shohola. Power was not restored for everyone in the area until 6 AM EST.

Pike County

9 NW Milford	26	1300EST			0	0			Hail(0.75)
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Pike County

Shohola	26	1300EST 1500EST			0	0	70K		Flash Flood
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Localized heavy thunderstorm rains caused numerous road washouts in the town of Shohola. A state of emergency was declared in the town due to the washouts and also to trees and wires blocking the roads.

Storm Data and Unusual Weather Phenomena

June 2002

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

Crawford County

Crossingville	04	1500EST			0	0	2K		Hail(0.75)
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Dime size hail was observed five miles east of Crossingville.

Erie County

Corry	04	1530EST			0	0	2K		Hail(0.75)
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Dime size hail was observed.

Erie County

Union City	04	1530EST			0	0	2K		Hail(0.75)
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Dime size hail was observed.

Crawford County

Cambridge Spgs	04	2245EST			0	0	10K		Thunderstorm Wind
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Thunderstorm winds downed several trees.

Crawford County

Linesville	05	1530EST	0.2	200	0	0	50K		Tornado (F1)
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A F1 tornado briefly touched down two miles northeast of Linesville. The tornado had a damage path nearly a quarter mile in length and 200 yards in width. No structural damage occurred, but dozens of trees were toppled.

Crawford County

Countywide	05	1535EST 1625EST			0	0	100K		Thunderstorm Wind
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Thunderstorm winds downed dozens of trees across the county. A few of the hardest hit towns include Centerville, Linesville, Cochranon and Conneaut Lake.

Erie County

Albion	05	1545EST			0	0	10K		Thunderstorm Wind
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Thunderstorm winds downed a few trees.

Crawford County

Conneautville	05	1550EST			0	0	25K		Thunderstorm Wind
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Thunderstorm winds downed a large number of trees southwest of Conneautville near the intersection of West Center Road and Linesville-Conneautville Road

Crawford County

Conneaut Lake	05	1615EST			0	0	60K		Thunderstorm Wind
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Thunderstorm winds overturned and destroyed a mobile home just south of Conneaut Lake. Eight trees nearby were also blown down.

Crawford County

Spartansburg	05	1640EST			0	0	5K		Hail(0.75)
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Dime size hail was observed southwest of Spartansburg.

Crawford County

Cambridge Spgs	14	1710EST			0	0	2K		Hail(0.75)
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Dime size hail was observed.

Erie County

Union City	14	1735EST			0	0	5K		Thunderstorm Wind
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Thunderstorm winds downed two trees.

Erie County

Harborcreek	27	1230EST			0	0	2K		Thunderstorm Wind
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Thunderstorm winds downed several large tree limbs.

PENNSYLVANIA, West

Beaver County

Rochester	04	1550EST			0	0			Hail(0.75)
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Beaver County

New Brighton	04	1600EST			0	0	5K		Thunderstorm Wind
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Thunderstorm winds downed a large tree onto a swimming pool. Several other reports of downed trees were also received by law enforcement officials around the New Brighton area.

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>PENNSYLVANIA, West</u>									
Butler County									
Criders Corners	04	1615EST			0	0			Hail(0.75)
Lawrence County									
New Castle	05	1520EST			0	0			Hail(0.88)
Armstrong County									
North Vandergrift	05	1525EST			0	0	2K		Thunderstorm Wind
Thunderstorm winds downed a few trees and power lines.									
Clarion County									
Rimersburg	05	1550EST			0	0			Hail(0.75)
Butler County									
Slippery Rock	05	1600EST			0	0			Hail(0.75)
Jefferson County									
Worthville	05	1615EST			0	0			Hail(0.75)
Mercer County									
Greenville	05	1631EST			0	0	5K		Thunderstorm Wind
Thunderstorm winds downed several large trees.									
Lawrence County									
Countywide	05	1640EST 1650EST			0	0	10K		Thunderstorm Wind
Thunderstorm winds downed numerous trees and power lines across the county.									
Jefferson County									
Anita	05	1645EST			0	0	5K		Thunderstorm Wind
Thunderstorm winds downed several trees and power lines.									
Armstrong County									
Bradys Bend	05	1745EST			0	0	5K		Thunderstorm Wind
Thunderstorm winds downed several large trees and power lines.									
Butler County									
5 N Evans City	05	1800EST			0	0	2K		Thunderstorm Wind
Thunderstorm winds downed a few trees.									
Beaver County									
Beaver Falls	05	1815EST			0	0	5K		Thunderstorm Wind
Thunderstorm winds downed several trees.									
Allegheny County									
Wexford	05	1825EST			0	0	2K		Thunderstorm Wind
Thunderstorm winds downed a few large trees.									
Jefferson County									
Big Run	05	1830EST			0	0	5K		Thunderstorm Wind
Thunderstorm winds downed several trees and power lines.									
Jefferson County									
South Portion	05 06	1905EST 0030EST			0	0	200K		Flood
After several days of heavy thunderstorm rains had already soaked the ground, a thunderstorm which deposited between two and four inches of rainfall in two hours produced flooding across southern sections of Jefferson County. Hardest hit were the Anita and Worthville areas, where several homes were flooded. Just northwest of Worthville, Tarkin Run overflowed its banks and flooded State Route 3003, where a large truck was stranded in water up to the tops of its wheels. Several other roadways in southern Jefferson County were closed due to flooding. Home and basement flooding were also reported in Reynoldsville and Punxsutawney									
Westmoreland County									
Salina	05	2000EST			0	5			Lightning
Lightning struck and injured a family of 5 people (2 adults, 3 children) camping in a tent. All were taken to the hospital, where they were treated for their injuries.									
Greene County									
Graysville	06	1245EST 1530EST			0	0	10K		Flood

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>PENNSYLVANIA, West</u>									
Greene County									
Graysville	06	1245EST 1530EST			0	0	10K		Flood
Heavy thunderstorm rains forced Gray's Fork out of its banks, flooding portions of State Highway 21 in the Graysville area. Minor flooding was also reported in the Rogersville area.									
Fayette County									
Indian Head	13	1135EST 1430EST			0	0	20K		Flood
Between 2.0 and 2.5 inches of rain in just over an hour produced stream and basement flooding in the Indian Head area.									
Washington County									
Charleroi	13	1220EST 1500EST			0	0	3M		Flood
Thunderstorms produced up to 2.5 inches of rain in only a few hours, which fell onto ground that was already soaked from previous rainfall. This torrential rainfall forced the already-swollen Maple Creek out of its banks, producing significant flooding across the far eastern sections of Washington County. The flooding was the worst residents had seen in recent years, with the most of the damage found in a two-mile stretch from Charleroi, running west along Maple Creek Road and into Fallowfield Township. Some scattered reports of flooding on the outskirts of nearby California were also received by emergency management officials. The hardest hit areas were reportedly along Twilight Hollow Road and Lincoln Avenue Extension (Old Route 71). Overall, a total of 40 homes, 10 businesses and several roads and bridges suffered approximately \$3 million in damages.									
Greene County									
Waynesburg	13	1318EST 1600EST			0	0			Flood
Heavy thunderstorm rains produced roadway flooding in the Waynesburg area.									
Indiana County									
Blairsville	13	1320EST 1530EST			0	0			Flood
Heavy thunderstorm rains produced roadway flooding in the Blairsville and Clymer areas.									
Indiana County									
Homer City	14	0815EST 1100EST			0	0	50K		Flood
Heavy thunderstorm rains falling on already-soaked ground produced street and basement flooding in Homer City and across Center Township. Area fire departments received a total of 17 calls to pump out basements. Roadway flooding was reported along Route 553 near Penn Run and U.S. Route 119 in Burrell Township.									
Allegheny County									
Penn Hills	14	1902EST			0	0			Hail(0.75)
Allegheny County									
East Mc Keesport	27	1310EST			0	0			Hail(0.75)
Washington County									
Hickory	27	1315EST			0	0	2K		Thunderstorm Wind
Thunderstorm winds downed a few large trees.									
Westmoreland County									
Jeanette	27	1320EST			0	0	1K		Thunderstorm Wind
Thunderstorm winds blew out several windows in area homes.									
Westmoreland County									
Turkeytown	27	1320EST			0	0	5K		Thunderstorm Wind
Thunderstorm winds downed several trees and power lines.									
Westmoreland County									
Harrison City	27	1334EST			0	0	5K		Thunderstorm Wind
Thunderstorm winds downed several trees and power lines.									
Westmoreland County									
Greensburg	27	1340EST			0	0	5K		Thunderstorm Wind
Thunderstorm winds damaged signs from local businesses and downed several large tree limbs.									
Washington County									
Centerville	27	1510EST			0	0	5K		Thunderstorm Wind
Thunderstorm winds downed several large trees.									

Storm Data and Unusual Weather Phenomena

June 2002

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

Allegheny County

Pittsburgh	27	1537EST			0	0	5K		Thunderstorm Wind
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Thunderstorm winds downed several trees in and around the Pittsburgh area.

PUERTO RICO

Ponce And Vicinity

Countywide	05	0100AST 1300AST			0	0	30K		Flood
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Southeast

Countywide	05	0100AST 1300AST			0	0	10K		Flood
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A surface trough was located across the local region producing a south and moist wind flow. Numerous showers and thunderstorms persisted over the south sections of Puerto Rico for most of the day causing landslides and flooded roads. Hundreds of residents in the coastal sectors in Juana Diaz were evacuated as the floodgates were opened north of the town. A landslide blocked traffic in Juana Diaz and another landslide in Guayanilla caused a tree to topple over electric lines. In Ponce, a water canal overflow its banks flooding a major highway.

Mayaguez And Vicinity

Moca	08	1300AST 1400AST			0	0	5K		Tstm Wind/Hail
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Northwest

Aguadilla	08	1300AST 1400AST			0	0	5K		Tstm Wind/Hail
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Strong thunderstorms occurred in the vicinity of Moca and Aguadilla. These storms produced small hail and strong gusty winds that knocked down tree branches over power lines, palm fronds and street signs.

Mayaguez And Vicinity

Moca	24	1430AST 1630AST			0	0	5K		Tstm Wind/Hail
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North Central

Manati	24	1430AST 1630AST			0	0	5K		Tstm Wind/Hail
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Western Interior

San Sebastian	24	1430AST 1630AST			0	0	5K		Tstm Wind/Hail
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Strong thunderstorms occurred in the vicinity of Manati, San Sebastian and Moca. These storms produced small hail and strong gusty winds that knocked down tree branches and electric wires.

RHODE ISLAND

Washington County

Hopkinton	16	1700EST			0	0	5K		Thunderstorm Wind (G50)
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A severe thunderstorm downed large branches in Hopkinton.

Kent County

Coventry	19	1345EST			0	0			Hail(0.75)
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An isolated severe thunderstorm produced dime sized hail in Coventry, near Johnson's Pond, and lasted for about two minutes.

Providence County

Scituate	22	1415EST			0	0	2K		Thunderstorm Wind (G50)
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Providence County

West Glocester	22	1420EST			0	1			Lightning
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A severe thunderstorm downed large branches and wires in Scituate. In West Glocester, a lifeguard was struck by lightning as the storms moved through, and was treated for minor injuries at a local hospital.

Storm Data and Unusual Weather Phenomena

June 2002

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

Barnwell County

Kline	03	1731EST			0	0	0		Hail(0.88)
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Emergency manager reported nickel size hail in Kline. Some street flooding as well.

Aiken County

Aiken to Jackson	03	1820EST			0	0	0		Thunderstorm Wind (G50)
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Sheriff reported large limbs and powerlines down in Jackson and Aiken.

Bamberg County

Countywide	06	1945EST			0	0	0		Thunderstorm Wind (G60)
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State Highway Patrol reported "numerous trees down countywide". Most of them were along roads and in fields.

Sumter County

Rembert	06	2130EST			0	0	0		Thunderstorm Wind (G50)
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Utility company reported large limbs and powerlines down in Rembert.

Sumter County

Dalzell to Sumter Muni Arpt	06	2200EST 2210EST			0	0	0		Thunderstorm Wind (G50)
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Utility company reported a few trees and powerlines down from Dalzell to the Municipal Airport.

Orangeburg County

Orangeburg	29	1215EST 1245EST			0	0	0		Thunderstorm Wind (G65)
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Sheriff reported numerous trees down in Orangeburg.

Orangeburg County

Orangeburg	29	1230EST			0	0	2K	0	Thunderstorm Wind (G65)
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Newspaper reported part of the cinder brick wall of the stands at the football stadium were blown down.

SOUTH CAROLINA, North Coastal

SCZ017-023>024-032>034- Marlboro - Darlington - Dillon - Florence - Marion - Horry - Williamsburg - Georgetown 039-046

	01	0000EST			0	0			Drought
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Georgetown County

Murrells Inlet	14	1440EST			0	0			Thunderstorm Wind (G52)
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Trained spotter estimated 60 mph wind gust.

Horry County

Socastee	14	1500EST			0	0			Thunderstorm Wind (G60)
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Horry county 911 reported trees and power lines down.

Horry County

Loris	14	2015EST			0	0			Thunderstorm Wind (G60)
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Spotter reported a large pine tree down.

Georgetown County

North Santee	28	1645EST			0	0			Thunderstorm Wind (G55)
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Trees down.

SOUTH CAROLINA, Northwest

Greenville County

3 SE Taylors	04	1822EST			0	0			Hail(0.75)
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Anderson County

2 NW Piedmont	04	1825EST 1830EST			0	0			Hail(1.00)
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Anderson County

2 NW Piedmont	04	1825EST 1830EST			0	0	3K		Thunderstorm Wind (G55)
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Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>SOUTH CAROLINA, Northwest</u>									
Numerous trees and powerlines were blown down.									
Pickens County									
2 S Easley	04	1900EST			0	0	1K		Thunderstorm Wind (G50)
Some trees and powerlines were blown down.									
Greenville County									
Berea to 7 NW Greer	04	1910EST 1920EST			0	0	3K		Thunderstorm Wind (G50)
Trees and powerlines were blown down from Berea to Paris Mountain to the Lake Robinson area.									
Spartanburg County									
5 S Grnvl Sprtnbrg Arpt 1 E Grnvl Sprtnbrg Arpt	04	2010EST 2020EST			0	0	5K		Thunderstorm Wind (G60)
Some sheet metal was blown off of 4 hangars at Flight World Airpark. Several trees were also blown down.									
Spartanburg County									
2 W Spartanburg	04	2045EST			0	0			Thunderstorm Wind (G50)
Some trees were blown down.									
Oconee County									
Westminster	04	2100EST			0	0			Hail(1.50)
Oconee County									
2 N Walhalla	04	2125EST			0	0			Thunderstorm Wind (G50)
Some trees were blown down along Highway 11.									
Spartanburg County									
Drayton	04	2130EST			0	0			Thunderstorm Wind (G50)
A few trees were blown down.									
Cherokee County									
7 W Gaffney	04	2145EST			0	0	1K		Thunderstorm Wind (G50)
Some powerlines were blown down.									
Anderson County									
3 WNW Anderson	04	2335EST			0	0			Thunderstorm Wind (G58)
Greenwood County									
Greenwood	05	0005EST			0	0			Hail(1.25)
Greenville County									
5 E Simpsonville	05	0015EST			0	0			Thunderstorm Wind (G50)
Some minor tree damage was reported.									
Cherokee County									
Gaffney	06	1750EST			0	0			Thunderstorm Wind (G50)
A few trees were blown down.									
Cherokee County									
4 SE Blacksburg	06	1805EST			0	0			Hail(0.75)
Cherokee County									
4 SE Blacksburg	06	1805EST			0	0			Thunderstorm Wind (G50)
Several trees were blown down.									
York County									
Rock Hill	26	1800EST			0	0	5K		Lightning
Lightning struck a house and caused a small fire.									
Anderson County									
5 NW Anderson to Anderson	27	2200EST 2210EST			0	0			Thunderstorm Wind (G54)
Some trees were blown down along Interstate 85 near mile marker 14.									
Greenville County									
2 S Fork Shoals	29	1705EST			0	0			Thunderstorm Wind (G50)
Several large trees were blown down across roads.									

Storm Data and Unusual Weather Phenomena

June 2002

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

Laurens County

4 SW Hickory Tavern	29	1720EST			0	0			Thunderstorm Wind (G50)
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A few trees were blown down between Hickory Tavern and Ware Shoals.

Anderson County

3 S Belton	29	1729EST			0	0	1K		Thunderstorm Wind (G50)
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Some powerlines were blown down.

Greenville County

Greenville	30	1715EST 1730EST			0	0	10K		Thunderstorm Wind (G55)
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Powerlines were blown down near Memorial Hospital and along Augusta Road. Trees were also blown onto houses.

Greenville County

Greenville	30	1730EST			0	0			Hail(0.88)
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Spartanburg County

Woodruff to Moore	30	1740EST			0	0			Hail(0.88)
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Spartanburg County

Woodruff to Moore	30	1740EST			0	0			Thunderstorm Wind (G50)
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Some trees were blown down across Interstate 26 near the Highway 221 exit.

Greenville County

5 N Simpsonville to 3 N Simpsonville	30	1800EST 1815EST			0	0			Hail(0.75)
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Greenville County

Greenville	30	1830EST 2000EST			0	0	50K		Flash Flood
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Severe urban flooding developed quickly when more than 3 inches of rain fell in a short time. Clogged storm drains resulted in flooding of I-185, which was closed for 2 hours. Water was several feet deep along parts of the roadway. Water entered several homes and at least one store in nearby areas.

Anderson County

4 E Sandy Spgs	30	1840EST			0	0	1K		Thunderstorm Wind (G50)
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Several trees and powerlines were blown down.

Anderson County

Anderson to 4 NW Anderson	30	1915EST			0	0	5K		Thunderstorm Wind (G50)
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Trees and powerlines were blown down in the Stonehaven Community. A fallen tree crushed a carport. Trees and powerlines were also blown down along Lake Hartwell.

SOUTH CAROLINA, South Coastal

SCZ040-042>045-047>050 Allendale - Hampton - Northern Colleton - Dorchester - Berkeley - Jasper - Beaufort - Southern Colleton - Charleston

01		0000EST			0	0			Drought
30		2359EST							

Generally, severe drought conditions continued over south coastal South Carolina through the month of June. Rainfall for the month was slightly below normal at the Charleston Airport. However, most of the rain fell in scattered thunderstorms and were confined to a few days. Therefore, the region is still running a significant yearly deficit.

Colleton County

Walterboro	03	1600EST			0	0			Hail(1.00)
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Allendale County

Allendale to Fairfax	03	1700EST 1703EST			0	0			Thunderstorm Wind (G50)
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Wind blew down several trees.

Allendale County

Ulmers	06	1910EST			0	0			Thunderstorm Wind (G50)
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Numerous trees were knocked down.

Storm Data and Unusual Weather Phenomena

June 2002

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

Allendale County 5 NE Sycamore	06	1915EST			0	0			Thunderstorm Wind (G50) Several trees down along Longpoint Road.
Allendale County 6 NE Allendale	06	1920EST			0	0			Thunderstorm Wind (G50) An oak tree fell on a mobile home and did extensive damage.
Berkeley County St Stephen	14	1315EST			0	0			Thunderstorm Wind (G55) Winds knocked down numerous trees in St. Stephen. A school bus and a car were damaged.
SCZ048>050 Beaufort - Southern Colleton - Charleston	22	0811EST 1100EST			0	0			Flood Three to five inches of rain fell along south coastal South Carolina during a six to eight hour period. The heavy rain produced flooding in Hilton Head, the City of Beaufort, the City of Charleston, and Edisto Beach. Numerous roads and streets were closed due to more than a foot of water in some places. Several inches of water got into some businesses and homes in down town Charleston.
Charleston County Edisto Is	30	1315EST			0	0			Thunderstorm Wind (G50) Several trees, large brabhes, and power lines were down.
Charleston County Hollywood	30	1330EST			0	0			Thunderstorm Wind (G50) Numerous large limbs were downed by thunderstorm winds.
Charleston County 6 E Ravenel	30	1345EST			0	0			Thunderstorm Wind (G50) Several trees were down.
Berkeley County Moncks Corner	30	1400EST			0	0			Thunderstorm Wind (G50) Several trees were downed by thunderstorm winds.
Charleston County Hollywood	30	1345EST			0	0			Thunderstorm Wind (G50) Several large limbs were downed due to thunderstorm winds.
Colleton County 2 N Bennetts Pt	30	1430EST			0	0			Thunderstorm Wind (G50) Several trees were down.

SOUTH DAKOTA, Central and North

SDZ003>011-015>023- 033>037-045-048-051	01 30	0000CST 2359CST			0	0			Drought After a dry winter and spring, below normal rainfall for June brought severe drought conditions to the area. Much of the rainfall for June was below 50 percent of normal with much of the area receiving 20 to 40 percent of the normal rainfall. Some locations were at 10 to 15 percent of normal rainfall. Central and north central South Dakota were the hardest hit with the drought conditions. As a result of the severe dryness, alot of grazing land and stock ponds dried up and ranchers had to either buy additional feed for their animals, transport them to healthier pastureland for grazing, or sell their herds prematurely. CRP land was opened up to ranchers for haying and livestock grazing. Feed supplies and hay supplies were running short and water had to be hauled to alot of cattle. Crops suffered with much having to be cut up for hay or replanted. The crops that did make it have a low harvest potential. Water levels on lakes and rivers were also way down. Burn bans and voluntary or mandatory water restrictions were implemented across much of the area. All counties were declared drought disasters.
Marshall County 9 NW Britton	06	1711CST			0	0			Hail(0.75)
Marshall County 6 NW Britton	06	1733CST			0	0			Hail(0.75)

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>SOUTH DAKOTA, Central and North</u>									
Marshall County									
1 E Eden	06	1750CST			0	0			Hail(1.00)
Brown County									
5 E Hecla	06	1805CST			0	0			Hail(0.75)
Roberts County									
10 W Sisseton	06	1815CST			0	0			Hail(1.00)
Marshall County									
Kidder	06	1830CST			0	0			Hail(0.88)
Roberts County									
3 N Wilmot	06	1855CST			0	0			Hail(0.75)
Roberts County									
Wilmot	06	1915CST			0	0			Hail(0.88)
Grant County									
5 NW Marvin	06	1930CST			0	0			Hail(0.75)
Hand County									
9 NE Miller	06	1930CST			0	0			Hail(0.75)
Roberts County									
2 SE Wilmot	06	1952CST			0	0			Hail(1.00)
Walworth County									
Glenham	08	1957CST			0	0			Thunderstorm Wind (G52)
Campbell County									
6 SW Mound City	08	2105CST			0	0			Hail(0.75)
Corson County									
32 S Mc Intosh	19	0235CST			0	0			Thunderstorm Wind (G61) Seventy mph winds broke off several large tree branches.
Corson County									
1 E Wakpala	19	0328CST			0	0			Thunderstorm Wind (G52) Sixty mph winds downed several tree branches and moved an empty hay trailer.
Campbell County									
8 W Mound City	19	0345CST			0	0			Hail(1.00)
Mcperson County									
Eureka	19	0417CST			0	0			Thunderstorm Wind (G52)
Roberts County									
5 S Rosholt	19	1645CST			0	0			Hail(0.88)
Lyman County									
6 NW Presho	20	2335CST			0	0			Hail(2.00)
Hughes County									
21 SW Harrold	20	2355CST			0	0			Hail(0.88)
Stanley County									
3 SW Ft Pierre	21	0030CST			0	0			Hail(0.75)
Hughes County									
Pierre	21	0100CST			0	0			Hail(0.88)
Hughes County									
7 S Harrold	21	0200CST			0	0			Hail(1.00)
Hyde County									
8 W Highmore	21	0215CST			0	0			Hail(0.88)
Hughes County									
Harrold	21	0220CST			0	0			Thunderstorm Wind (G61)

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>SOUTH DAKOTA, Central and North</u>									
Hand County									
5 SW Vayland	21	0315CST			0	0			Hail(0.88)
Stanley County									
Ft Pierre	22	1718CST			0	0			Hail(0.75)
Hughes County									
Pierre	22	1734CST			0	0			Thunderstorm Wind (G63)^M Winds of 70 to 75 mph brought down several trees and many branches throughout Pierre. The high winds in combination with the quarter size hail caused some damage to buildings and vehicles throughout Pierre. A building in downtown Pierre sustained extensive roof and structural damage due to the high winds.
Hughes County									
Pierre	22	1735CST			0	0			Hail(1.00)
Hughes County									
1 W Blunt	22	1835CST			0	0			Hail(0.75)
Hughes County									
30 SE Pierre	22	1845CST			0	0			Hail(0.88)
Mcperson County									
8.5 SW Leola	22	1850CST			0	0			Hail(0.88)
Buffalo County									
3 NW Ft Thompson	22	1935CST			0	0			Hail(0.75)
Hyde County									
3 SE Stephan	22	1955CST			0	0			Thunderstorm Wind (G56)
Hyde County									
1 S Highmore	22	2050CST			0	0			Hail(0.75)
Hand County									
5 E Polo	22	2055CST			0	0			Hail(0.75)
Hyde County									
Highmore	22	2055CST			0	0			Hail(0.88)
Hyde County									
Highmore	22	2055CST			0	0			Thunderstorm Wind (G52)
Sully County									
1 W Onida	22	2105CST			0	0			Hail(0.88)
Marshall County									
3 E Kidder	22	2115CST			0	0			Hail(1.00)
Marshall County									
3 E Kidder	22	2115CST			0	0			Thunderstorm Wind (G52) Sixty mph winds brought several tree limbs down.
Hand County									
1 N Miller	22	2125CST			0	0			Hail(0.75)
Hand County									
4 N St Lawrence	22	2135CST			0	0			Hail(1.00)
Dewey County									
Bear Creek	23	0015CST			0	0			Thunderstorm Wind (G69) ^M
Dewey County									
13 E Timber Lake	23	0052CST			0	0			Hail(1.00)
Corson County									
9 S Little Eagle	23	0115CST			0	0			Thunderstorm Wind (G56) ^M
Walworth County									
Selby	23	0147CST			0	0			Thunderstorm Wind (G52) Sixty mph winds brought down several branches in Selby.

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>SOUTH DAKOTA, Central and North</u>									
Campbell County									
9 E Mound City	23	0200CST			0	0			Thunderstorm Wind (G52)
			Sixty mph winds brought down several tree branches.						
Walworth County									
7 E Selby	23	0200CST			0	0			Thunderstorm Wind (G61)
			Seventy mph winds brought several large branches down.						
Stanley County									
Ft Pierre	22	1730CST 1735CST			0	0			Thunderstorm Wind (G70)
			Winds of 70 to 80 mph brought down seven power poles causing a power outage for the entire city of Fort Pierre for several hours. Several semi trailers were overturned and the roofs were ripped off of a few buildings. Also, several trees and many tree branches were downed in Fort Pierre.						
Corson County									
21 S Keldron	23	1710CST			0	0			Hail(1.00)
Corson County									
21 S Keldron	23	1710CST			0	0			Thunderstorm Wind (G52)
Dewey County									
7 SE La Plant	23	1830CST			0	0			Hail(0.75)
Hughes County									
7 N Pierre	23	1830CST			0	0			Hail(0.75)
Mepherson County									
5 SE Spring Creek Color	23	1830CST			0	0			Hail(0.75)
Hughes County									
Pierre	23	1900CST			0	0			Hail(1.75)
Stanley County									
Ft Pierre	23	1900CST			0	0			Hail(1.75)
Sully County									
7 W Agar	23	1915CST			0	0			Hail(0.75)
Brown County									
1 S Barnard	23	1922CST			0	0			Hail(4.50)
			Softball size hail fell just south of Barnard damaging a law officer's vehicle.						
Stanley County									
1 S Ft Pierre	23	1935CST			0	0			Hail(1.75)
Stanley County									
1 S Ft Pierre	23	1935CST			0	0			Thunderstorm Wind (G61)
Hughes County									
Pierre	23	2000CST			0	0			Hail(1.75)
Sully County									
1 SW Onida	23	2015CST			0	0			Hail(0.75)
Hughes County									
20 S Harrold	23	2055CST			0	0			Hail(1.25)
Hand County									
12 N Ree Hgts	23	2139CST			0	0			Hail(1.00)
Spink County									
13 SW Tulare	23	2230CST			0	0			Thunderstorm Wind (G61)
			Seventy mph winds brought down many large tree branches.						
Clark County									
8 SE Clark	23	2300CST			0	0			Hail(0.88)
Hamlin County									
3 W Hazel	23	2324CST			0	0			Hail(0.88)

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>SOUTH DAKOTA, Central and North</u>									
Hamlin County									
4 NW Hayti	23	2342CST			0	0			Thunderstorm Wind (G61)
									Seventy mph winds overturned some light farm equipment and took down some power lines.
Faulk County									
4 W Onaka	24	0010CST			0	0			Hail(1.25)
Potter County									
1 SE Tolstoy	24	0010CST			0	0			Hail(0.88)
Faulk County									
5 SW Norbeck	24	0015CST			0	0			Hail(0.75)
Faulk County									
6 SE Faulkton	24	0030CST			0	0			Hail(0.75)
Hamlin County									
1 N Hayti	24	0030CST			0	0			Hail(1.75)
Faulk County									
7 SE Cresbard	24	0130CST			0	0			Hail(1.00)
Faulk County									
7 SE Cresbard	24	0130CST			0	0			Thunderstorm Wind (G52)
									Sixty mph winds brought several tree branches down.
Day County									
Bristol	24	0145CST			0	0			Hail(1.00)
Day County									
Bristol	24	0145CST			0	0			Thunderstorm Wind (G52)
Clark County									
5 NW Crocker	24	0200CST			0	0			Thunderstorm Wind (G70)
									Eighty mph winds brought down several trees and limbs and snapped off some power poles.
Clark County									
5 NW Bradley	24	0230CST			0	0			Thunderstorm Wind (G52)
Day County									
6 W Webster	24	0230CST			0	0			Hail(0.75)
McPherson County									
6.4 NE Leola to 6.6 NE Leola	23	1820CST 1822CST	0.2	50	0	0			Tornado (F0)
McPherson County									
8.5 NE Leola to 10.5 NE Leola	23	1834CST 1840CST	2	500	0	0			Tornado (F1)
Brown County									
11.2 NW Barnard to 9 NW Barnard	23	1840CST 1843CST	3	500	0	0			Tornado (F1)
Brown County									
9 NW Barnard	23	1843CST 1845CST	0.3	50	0	0			Tornado (F0)
Brown County									
6 W Barnard to 3 SE Barnard	23	1853CST 1923CST	10	900	0	0			Tornado (F3)
Brown County									
5 SE Barnard to 7.6 NE Barnard	23	1924CST 1955CST	9	900	0	0			Tornado (F4)
Brown County									
4.5 E Barnard	23	1930CST 1932CST	0	50	0	0			Tornado (F0)

A powerful supercell thunderstorm produced six tornados from eastern McPherson county and across northern Brown county during the evening hours of June 23rd. The first weak tornado (F0) touched down briefly 6.4 miles northeast of Leola and resulted in no

Storm Data and Unusual Weather Phenomena

June 2002

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

SOUTH DAKOTA, Central and North

damage. The second tornado (F1) touched down 8.5 miles northeast of Leola and crossed over into Brown county where it dissipated 9 miles northwest of Barnard. This tornado brought down many trees and a barn and caused damage to the siding and the roof of a farmhouse in McPherson county and caused no damage in Brown county. A third weak satellite tornado (F0) occurred following the dissipation of the second tornado and resulted in no damage. A fourth strong tornado (F3) developed 6 miles west of Barnard and moved east and dissipated 3 miles southeast of Barnard. This tornado brought down some high power lines along with a support tower and tossed a pickup truck 100 yards into a group of trees. The pickup truck was totaled. The tornado caused extensive damage to two farmhouses, several farm buildings, and farm equipment. One farmhouse lost its garage and most of its roof with many trees completely snapped off down low and debarked. The fifth tornado developed 5 miles southeast of Barnard and became a violent tornado (F4). This tornado caused damage to one farmhouse, several outbuildings, trees, and equipment as it moved northeast and strengthened. The tornado then completely demolished two unoccupied homes, several outbuildings, many trees, along with destroying or damaging some farm equipment before dissipating 7.6 miles northeast of Barnard. Also, a sixth weak satellite tornado (F0) occurred with this violent tornado and caused no damage. This was the first F4 tornado recorded in Brown county and one of few recorded in South Dakota. The total estimated property loss exceeded a million dollars.

Hamlin County 5 E Lake Norden	24	2014CST			0	0			Hail(1.75)
Lyman County 5 NE Oacoma	24	2015CST			0	0			Hail(0.75)
Lyman County 10 SW Oacoma	24	2015CST			0	0			Hail(0.88)
Lyman County 5 NE Oacoma	24	2015CST			0	0			Thunderstorm Wind (G61)
Seventy mph winds brought down many large tree branches.									
Hamlin County 2 W Dempster	24	2025CST			0	0			Hail(0.75)
Deuel County Clear Lake	24	2052CST			0	0			Hail(0.75)
Hand County 15 N Vayland	25	1450CST			0	0			Hail(1.00)
Spink County 3 SW Tulare	25	1458CST			0	0			Hail(0.75)
Spink County 2 S Conde	25	1520CST			0	0			Hail(1.00)
Spink County Turton	25	1555CST			0	0			Hail(0.75)
Clark County 2 NE Raymond	25	1600CST			0	0			Hail(1.75)
Clark County Raymond	25	1625CST			0	0			Hail(0.75)
Roberts County Sisseton	25	1625CST			0	0			Hail(1.75)
Roberts County 2 N Sisseton	25	1627CST			0	0			Hail(1.75)
Grant County 3 E Milbank	25	1757CST			0	0			Hail(0.88)
Grant County Milbank	25	1800CST			0	0			Hail(1.00)
Grant County 3 E Albee	25	1833CST			0	0			Hail(1.00)
Spink County Conde	25	1525CST			0	0			Hail(1.50)

Storm Data and Unusual Weather Phenomena

June 2002

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

Campbell County									
5 S Herreid	28	2015CST			0	0			Thunderstorm Wind (G52)
Corson County									
7 SE Little Eagle	29	1915CST			0	0			Thunderstorm Wind (G52)
Sixty mph winds downed some tree limbs and also blew a shed door off.									
Corson County									
8 S Little Eagle	29	1920CST			0	0			Hail(0.75)
Corson County									
8 S Little Eagle	29	1920CST			0	0			Thunderstorm Wind (G61)
Seventy mph winds blew down an old barn.									

SOUTH DAKOTA, Southeast

Lincoln County									
8 SW Worthing	02	0115CST 0125CST			0	0			Hail(0.75)
Minnehaha County									
Hartford	02	2220CST			0	0			Hail(1.00)
Moody County									
Trent	02	2226CST			0	0			Hail(0.75)
Minnehaha County									
Crooks	02	2254CST			0	0			Hail(1.00)
Minnehaha County									
Crooks	02	2300CST			0	0			Hail(0.88)
Bon Homme County									
5 SW Springfield	07	1530CST			0	0			Hail(1.75)
Bon Homme County									
3 W Springfield	07	1543CST			0	0			Hail(1.75)
Bon Homme County									
Springfield	07	1551CST			0	0			Hail(0.75)
Bon Homme County									
3 NE Springfield	07	1601CST			0	0			Hail(0.75)
Union County									
1 SE Jefferson	07	1715CST			0	0			Thunderstorm Wind (G52)
Union County									
Jefferson	07	1717CST			0	0			Hail(0.88)
Union County									
North Sioux City	07	1900CST 2000CST			0	0			Flash Flood
Heavy rain caused street and basement flooding.									
Gregory County									
5 N Herrick	07	2320CST			0	0	10K		Thunderstorm Wind (G61)
Thunderstorm winds blew down power lines and poles, and caused tree damage.									
Moody County									
Flandreau	10	1600CST			0	0	5K		Lightning
Lightning struck a house, damaging both exterior and interior walls, and damaging electrical and telephone lines to the house.									
Gregory County									
6 S Bonesteel	16	1453CST			0	0			Hail(0.75)
Yankton County									
11 NE Yankton	17	1532CST			0	0			Hail(0.75)

Storm Data and Unusual Weather Phenomena

June 2002

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

Yankton County

8 N Mission Hill	17	1536CST			0	0			Hail(0.88)
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Clay County

1 S Hub City	17	1614CST			0	0			Thunderstorm Wind (G52)
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Lincoln County

2 NE Tea	17	2314CST			0	0			Hail(1.50)
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Minnehaha County

Sioux Falls	17	2317CST 2325CST			0	0			Hail(1.75)
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Numerous reports of hail were received from Sioux Falls. Golf ball size hail was reported, but most hail reports were of one inch or lesser size.

Lincoln County

Sioux Falls	17	2318CST			0	0			Hail(1.00)
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Minnehaha County

2 NW Sioux Falls	17	2355CST			0	0			Hail(0.88)
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Minnehaha County

3 N Sioux Falls	18	0000CST			0	0			Hail(1.00)
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Lincoln County

Hudson	19	1945CST			0	0			Hail(1.00)
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Kingsbury County

3 NW Badger	21	0130CST			0	0			Hail(0.75)
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Mccook County

1 W Montrose	21	0600CST			0	0			Hail(1.00)
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Mccook County

2 NE Montrose	21	0603CST			0	0			Hail(0.75)
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Minnehaha County

Buffalo Trading Post	21	0630CST			0	0			Hail(0.75)
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Miner County

4 W Howard	21	0742CST			0	0			Hail(0.88)
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Brookings County

Brookings	21	1000CST 1100CST			0	0			Flash Flood
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Heavy rain caused flooding of roads in Brookings. One vehicle stalled under a railroad underpass and had water up to the windows.

Kingsbury County

4 W Oldham	24	1727CST			0	0			Hail(0.75)
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Miner County

9 NE Howard	24	1802CST			0	0			Hail(0.75)
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Lake County

7 W Ramona	24	1810CST			0	0			Hail(1.25)
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Lake County

3 S Ramona	24	1824CST			0	0			Hail(0.75)
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Lake County

4 W Ramona	24	1825CST			0	0			Hail(0.88)
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Miner County

6 E Carthage	24	1851CST			0	0			Hail(2.50)
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Miner County

4 NE Carthage	24	1858CST			0	0			Hail(1.00)
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Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<u>SOUTH DAKOTA, Southeast</u>									
Kingsbury County									
13 S De Smet	24	1904CST			0	0			Hail(1.75)
Miner County									
Carthage	24	1909CST 1910CST			0	0			Hail(2.50)
									Large hail caused damage to crops. The amount of damage was not known but the damage was not severe according to the county agriculture agent.
Kingsbury County									
De Smet	24	1911CST			0	0			Hail(0.75)
Miner County									
3 E Carthage	24	1930CST			0	0			Hail(2.75)
Aurora County									
5 NW Plankinton	24	1931CST			0	0			Hail(0.75)
Miner County									
1 S Carthage	24	1944CST			0	0			Hail(1.00)
Kingsbury County									
2 NW Badger	24	1945CST			0	0			Hail(1.75)
Miner County									
1 S Carthage	24	1945CST			0	0			Hail(1.00)
Sanborn County									
7 N Artesian	24	1955CST			0	0			Hail(0.75)
Brule County									
5 N Chamberlain	24	2016CST			0	0			Hail(1.00)
Jerauld County									
7 N Wessington Spgs	24	2040CST			0	0			Hail(1.00)
Beadle County									
3 E Huron	24	2040CST			0	0			Hail(1.00)
Beadle County									
3 E Huron	24	2040CST			0	0	100K		Thunderstorm Wind (G61)
									Thunderstorm winds caused tree damage, including a few trees blown down. The roof of an apartment building was also damaged.
Brule County									
5 S Chamberlain	24	2045CST			0	0			Thunderstorm Wind (G52)
Brule County									
Chamberlain to 5 N Chamberlain	24	2050CST 2055CST			0	0	500K		Thunderstorm Wind (G69)
									Thunderstorm winds caused tree damage, including some trees blown down. The winds also damaged signs, fences and roofs, and blew many loose items around.
Sanborn County									
Letcher	24	2137CST			0	0			Thunderstorm Wind (G61)
									Thunderstorm winds blew down trees. The amount of damage was not known.
Sanborn County									
5 E Letcher	24	2145CST			0	0			Thunderstorm Wind (G57)
Davison County									
(Mhe)Mitchell Arpt	24	2155CST			0	0			Thunderstorm Wind (G52) ^M
Davison County									
Mitchell	24	2200CST			0	0			Thunderstorm Wind (G52)
Hanson County									
Fulton	24	2211CST			0	0			Thunderstorm Wind (G52)
Miner County									
3 SW Roswell	24	2213CST			0	0			Thunderstorm Wind (G57)

Storm Data and Unusual Weather Phenomena

June 2002

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

Thunderstorm winds caused tree damage, including four inch diameter limbs blown down.

Hanson County

Alexandria	24	2230CST			0	0			Thunderstorm Wind (G52)
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SDZ040

Brookings

24		2255CST			0	0			High Wind (G57)
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High winds not associated with thunderstorms caused tree and power line damage in a path from Volga to Elkton, including the city of Brookings. Several trees were uprooted in Elkton.

Hutchinson County

5 W Dimock	25	1458CST			0	0			Hail(1.75)
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Hanson County

9 SW Emery	25	1520CST			0	0			Hail(1.75)
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Hutchinson County

8 E Dimock	25	1525CST			0	0			Hail(0.75)
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Bon Homme County

3 N Springfield	25	1601CST			0	0			Hail(0.75)
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Bon Homme County

3 N Springfield	25	1611CST			0	0			Hail(1.25)
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Bon Homme County

3 NE Springfield	25	1627CST			0	0			Hail(0.75)
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Beadle County

4 SE Huron	25	1642CST			0	0			Hail(0.75)
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Bon Homme County

7 SW Springfield	25	1653CST			0	0			Hail(0.88)
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SOUTH DAKOTA, West

Fall River County

6 NW Edgemont	01	1915MST			0	0	0		Hail(0.75)
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Bennett County

4 SW Tuthill	01	2055MST			0	0	0		Hail(1.00)
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Mellette County

Norris	01	2135MST			0	0	0		Hail(0.88)
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Thunderstorms moved across extreme southern South Dakota during the evening. These storms periodically became severe, producing 3/4 to 1 inch hail.

Lawrence County

16 SW Lead	02	1650MST			0	0	1K		Thunderstorm Wind (G64)
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A shed was blown over and damaged.

Fall River County

2 S Burdock	02	1900MST			0	0	0		Hail(1.75)
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Fall River County

2 NW Burdock	02	1920MST			0	0	0		Hail(0.75)
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Fall River County

12 NE Minnekahta	02	1930MST			0	0	0		Hail(1.75)
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Fall River County

5 S Hot Spgs	02	1950MST			0	0	0.05K		Hail(1.75)
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Fall River County

Hot Spgs	02	1950MST 1952MST			0	0	0		Hail(1.00)
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Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>SOUTH DAKOTA, West</u>									
Fall River County 7 S Hot Spgs	02	1955MST			0	0	0		Hail(1.25)
Fall River County 4 E Hot Spgs	02	2005MST			0	0	0		Hail(1.75)
Severe thunderstorms moved across Fall River County producing large hail. A headlight was broken on a vehicle by golf ball sized hail 5 miles south of Hot Springs.									
Custer County Argyle	02	1955MST			0	0	0		Hail(1.75)
Custer County Buffalo Gap	02	2000MST			0	0	0		Thunderstorm Wind (G52)
Custer County Wind Cave	02	2008MST			0	0	0		Hail(0.75)
A severe thunderstorm moved across Custer County producing large hail and wind gusts to 60 mph.									
Shannon County 10 W Kyle	02	2110MST			0	0	0		Hail(1.00)
Fall River County 12 NW Edgemont	08	1934MST 2111MST			0	0	0		Hail(1.00)
Harding County Buffalo	08	2111MST			0	0	0		Hail(1.00)
Harding County Buffalo	08	2111MST			0	0	0		Thunderstorm Wind (G57) ^M
Harding County 7 NW Ludlow to Ludlow	08	2210MST			0	0	0		Hail(0.88)
Ziebach County 9 SW Red Elm	08	2220MST			0	0	0		Thunderstorm Wind (G57)
A few thunderstorms moved across western South Dakota. Adequate atmospheric shear was present for sustained rotating updrafts and isolated supercell thunderstorms. The observed rotations were weak, however large hail and wind gusts to 60 mph were observed with the stronger storms.									
Harding County Buffalo	17	2137MST			0	0	0		Thunderstorm Wind (G51) ^M
Butte County 4 NW Castle Rock	18	2025MST			0	0	0		Hail(0.88)
Butte County 9 NE Castle Rock to 11 NE Castle Rock	18	2047MST			0	0	0		Hail(1.75)
Meade County 3 SE Mud Butte	18	2101MST			0	0	0		Hail(1.75)
Harding County 3 SE Harding	18	2340MST			0	0	0		Hail(1.25)
Harding County 3 SE Harding	18	2340MST			0	0	0		Thunderstorm Wind (G52)
Severe thunderstorms moved across northwestern South Dakota during the late evening hours. These storms produced large hail and wind gusts to 60 mph.									
Harding County 11 SW Reva	19	0030MST			0	0	0		Hail(0.88)
Perkins County 2 S Bison	19	0100MST			0	0	0		Hail(0.75)
Perkins County 2 S Bison	19	0100MST			0	0	0		Thunderstorm Wind (G52)

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm	
					Killed	Injured	Property	Crops		
<u>SOUTH DAKOTA, West</u>										
			Trees were blown onto power lines, downing the power lines.							
Lawrence County										
2 N Spearfish	22	1640MST			0	0	0		Hail(0.88)	
Butte County										
20 NW Belle Fourche	22	1705MST			0	0	0		Thunderstorm Wind (G61) ^M	
Butte County										
35 N Belle Fourche	22	1730MST			0	0	0		Hail(0.75)	
Butte County										
35 N Belle Fourche	22	1730MST			0	0	0		Thunderstorm Wind (G61)	
Harding County										
15 SW Buffalo	22	1805MST			0	0	0		Hail(0.75)	
Harding County										
3 E Buffalo	22	1900MST			0	0	0		Thunderstorm Wind (G53)	
Butte County										
8 SE Hoover	22	1920MST			0	0	0		Hail(0.75)	
Meade County										
10 SW Maurine to 6 SW Maurine	22	2040MST			0	0	0		Hail(1.75)	
Ziebach County										
8 SE Red Scaffold	22	2230MST			0	0	0		Hail(0.75)	
Numerous severe thunderstorms moved across northwestern South Dakota during the evening. Most storms produced large hail and wind gusts to 70 mph. Three miles east of Buffalo in Harding County several eight to ten inch diameter tree limbs were broken off.										
Todd County										
8 S Olsonville	24	1730MST			0	0	0		Hail(1.00)	
Todd County										
7 SE Olsonville	24	1750MST			0	0	0		Hail(1.00)	
Todd County										
15 E Olsonville	24	1815MST			0	0	0		Hail(0.75)	
Tripp County										
4 SE Clearfield	24	1820MST			0	0	0		Hail(0.75)	
Tripp County										
1 S Winner	24	1905MST			0	0	0		Hail(1.00)	
Tripp County										
Winner Arpt	24	1906MST			0	0	0		Thunderstorm Wind (G54) ^M	
Numerous severe thunderstorms moved across south-central South Dakota during the evening. Three-quarter to one inch hail was common with these storms. Several 10 inch diameter tree limbs were toppled in Winner.										
Meade County										
12 SW Hereford to 6 SW Hereford	24	1935MST 1938MST			0	0	0		Thunderstorm Wind (G52)	
Pennington County										
Hill City	24	1945MST			0	0	0		Hail(0.75)	
Bennett County										
5 SW Allen	24	2215MST			0	0	0		Hail(0.75)	
Pennington County										
1 SW Hill City	25	0100MST			0	0	0		Hail(0.75)	
Harding County										
5 S Camp Crook	28	1830MST			0	0	0		Thunderstorm Wind (G52) ^M	
Perkins County										
10 W Lemmon	28	2130MST			0	0	0		Thunderstorm Wind (G52) ^M	

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>SOUTH DAKOTA, West</u>									
Perkins County 5 S Zeona	29	1430MST			0	0	0		Thunderstorm Wind (G52)
<u>ST LAWRENCE RIVER</u>									
SLZ24 Ogdensburg	23	1740EST	St Lawrence R From Ogdensburg To St Regis Ny		0	0	15K		Marine Tstm Wind (G45)
<u>TENNESSEE, Central</u>									
Wilson County La Guardo	04	1615CST			0	0			Thunderstorm Wind (G50) EMA reported trees and tree limbs were down along with power lines. A tree limb went through a car.
Van Buren County 5 W Spencer	04	1745CST			0	0			Thunderstorm Wind (G50) Trees were blown down.
Davidson County Nashville	06	0300CST 0700CST			0	0			Flash Flood Several roads closed in Nashville due to high water.
Sumner County Countywide	06	0530CST 0700CST			0	0			Flash Flood EMA reported scattered flooding in low lying areas.
Giles County Pulaski	13	1420CST			0	0			Thunderstorm Wind (G50) EMA reported one or 2 trees were down in Pulaski.
Franklin County Huntland	13	1600CST			0	0			Thunderstorm Wind (G50) Police reported large tree limbs were down.
Perry County 3 SE Lobelville	20	1925CST			0	0			Thunderstorm Wind (G50) Ham SKYWARN Spotter reported a trailer was blown down along with several trees in the area.
Davidson County Bellevue	24	1650CST			0	0			Thunderstorm Wind (G50) EMA reported trees and power lines were down.
Williamson County Fairview	24	1720CST			0	0			Thunderstorm Wind (G50) Trees were down in Fairview and Fernvale.
Davidson County Hermitage	25	0527CST			0	0			Thunderstorm Wind (G50) EMA reported a tree down on Shutes Lane and Saundersville Rd.
Sumner County Hendersonville	25	0540CST			0	0			Thunderstorm Wind (G50) Radio station reported trees were blown down on Maple Road in Hendersonville.
Cheatham County 10 N Pegram	25	0600CST			0	0			Thunderstorm Wind (G50) EMA reported a tree was down at intersection of Sams Creek Road and Hwy 249.
Davidson County Nashville	25	0625CST			0	0			Thunderstorm Wind (G50) EMA reported trees were down in the western sections of the city.

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>TENNESSEE, Central</u>									
Hickman County									
Centerville	26	1510CST			0	0			Thunderstorm Wind (G50)
Law enforcement reported trees down in Centerville.									
Giles County									
Pulaski	30	1700CST 1701CST			0	0			Thunderstorm Wind (G50)
Law enforcement reported power lines were down.									
Giles County									
5 NE Pulaski	30	1705CST			0	0			Thunderstorm Wind (G50)
Spotter reported trees were blown down.									
Davidson County									
Nashville	30	1930CST			0	0			Thunderstorm Wind (G50)
Police reported several trees were down in East Nashville.									
<u>TENNESSEE, East</u>									
Johnson County									
Central Portion	02	1515EST			0	0	15K		Thunderstorm Wind
A few trees reported down across power lines in north and central part of county.									
Sullivan County									
Bristol	02	1538EST			0	0			Hail(0.75)
Dime sized hail reported in the vicinity of Bristol.									
Johnson County									
Doeville	02	1600EST			0	0			Hail(0.75)
Dime sized hail reported in Doeville.									
Campbell County									
7 SE Fincastle	02	2030EST			0	0	20K		Thunderstorm Wind
Trees and power lines were reported down seven miles southeast of Fincastle.									
Claiborne County									
3 SW Tazewell	02	2040EST			0	0	15K		Thunderstorm Wind
Trees and power lines reported down southwest of Tazewell.									
Union County									
Luttrell	02	2050EST			0	0	15K		Thunderstorm Wind
A few trees and power lines reported down in Luttrell area and in the north part of the county.									
Polk County									
Ocoee	04	1315EST			0	0			Hail(0.75)
Dime sized hail reported near Ocoee.									
Sevier County									
Gatlinburg	04	1355EST			0	0	15K		Thunderstorm Wind
Trees reported down on power lines									
Cocke County									
5 N Cosby	04	1425EST			0	0	10K		Thunderstorm Wind
Trees reported down across rural roads 5 miles north of Cosby.									
Blount County									
Townsend	04	1500EST			0	0	15K		Thunderstorm Wind
Trees reported down on power lines in Townsend.									
Marion County									
Mineral Spgs to 3 SW Sequatchie	04	1515CST			0	0	15K		Thunderstorm Wind
Trees reported down on Mullens Cove road near Mineral Springs.									
Meigs County									
Decatur	04	1605EST			0	0			Hail(0.75)

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>TENNESSEE, East</u>									
			Dime size hail reported in Decatur.						
Mcminn County									
Riceville	04	1610EST			0	0			Hail(1.00)
			Quarter size hail reported at Riceville.						
Hamilton County									
Hixon	04	1632EST			0	0			Hail(0.75)
			Dime size hail reported at Hixon.						
Bradley County									
Hopewell	04	1640EST			0	0			Hail(0.75)
			Dime size hail reported at Hopewell.						
Meigs County									
Ten Mile	04	1645EST			0	0	15K		Thunderstorm Wind
			Trees reported down on power lines at Tenmile.						
Hamilton County									
Chattanooga	04	1645EST			0	0	40K		Thunderstorm Wind
			Thunderstorm winds resulted in the collapse of the roof of Family Christian Stores and Oreck Floor Care Center.						
Scott County									
Countywide	04	1700EST			0	0	20K		Thunderstorm Wind
			Trees and power lines reported down countywide.						
Meigs County									
Decatur	04	1715EST			0	0	15K		Thunderstorm Wind
			Trees reported down on power lines at Decatur.						
Rhea County									
Dayton	04	1725EST			0	0	15K		Thunderstorm Wind
			Trees reported down on power lines at Dayton.						
Hamilton County									
5 NE Hixon	04	1740EST			0	0	10K		Thunderstorm Wind
			Trees reported down 5 miles northeast of Hixon.						
Hamilton County									
Chattanooga	04	1800EST 1900EST			0	0			Flash Flood
			Numerous road closures including Boy Scout Road were reported due to flash flooding in Chattanooga						
Bradley County									
Countywide	04	1800EST			0	0	20K		Thunderstorm Wind
			Trees were reported down on power lines across the county.						
Bradley County									
Countywide	04	1900EST 2000EST			0	0			Flash Flood
			Numerous creeks were reported out of their banks across the county. Also, widespread road closures were reported.						
Polk County									
Ducktown	20	1740EST 1750EST			0	0			Hail(0.75)
			Dime size hail was reported in Ducktown.						
Blount County									
5 W Maryville	25	1630EST			0	0	25K		Thunderstorm Wind
			Numerous trees and power lines were reported down 5 miles west of Maryville.						
Morgan County									
1 N Sunbright	26	1630EST			0	0	10K		Thunderstorm Wind
			Trees were reported down 1 mile north of Sunbright on highway 27.						
Bradley County									
Mc Donald	30	1745EST			0	0	15K		Thunderstorm Wind
			Two to three trees were reported down in McDonald.						

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>TENNESSEE, East</u>									
Bradley County									
Cleveland	30	1800EST			0	0	12K		Thunderstorm Wind
One tree down and small limbs blown off trees in Cleveland. Also, power lines down in the Cleveland area.									
Hamilton County									
Harrison	30	1825EST			0	0	20K		Thunderstorm Wind
Spotter reported a tree had fallen on a house in Harrison.									
<u>TENNESSEE, West</u>									
Madison County									
1 NE Jackson	05	1340CST 1345CST			0	0	0.01K		Hail(0.75)
Madison County									
1 NE Jackson	05	1345CST 1350CST			0	0	10K		Thunderstorm Wind
Several trees and power lines were blown down.									
Shelby County									
Memphis	13	1455CST 1630CST			0	0	1K		Flash Flood
Several roads in the far eastern part of Memphis were flooded.									
<u>TEXAS, Central</u>									
Haskell County									
5 NW Stamford to 1 N Stamford	04	1907CST 1913CST	4	150	0	0	5K		Tornado (F0)
A tornado developed over southern Haskell County just northwest of Stamford. This tornado moved to the southeast towards the town of Stamford. It uprooted trees and many birds were reported killed.									
Jones County									
1 N Stamford to Stamford	04	1913CST 1915CST	1	150	0	0			Tornado (F0)
Storm Spotters continued to track the tornado from Haskell County into northern Jones County.									
Throckmorton County									
Elbert	04	2000CST 2001CST	0.5	50	0	0			Tornado (F0)
Law enforcement reported a brief tornado in Elbert. No structures were hit by the tornado.									
Isolated severe thunderstorms moved across portions of the Big Country producing two known tornadoes. No reports of hail were received.									
Jones County									
Stamford	13	1810CST			0	0			Hail(1.00)
Jones County									
1 E Anson	13	1825CST			0	0			Hail(1.75)
Jones County									
15 S Anson	13	1900CST			0	0			Hail(1.75)
Taylor County									
Tye	13	1905CST			0	0			Hail(1.75)
Taylor County									
Tye	13	1908CST 1909CST	0.5	50	0	0	0.50K		Tornado (F0)
Eye witness at a truck stop in Tye saw the tornado coming at her. She alerted the people inside the truck stop to take shelter. She said the Tornado dissipated right before hitting the gas pumps.									
Taylor County									
Dyess Afb	13	1910CST			0	0			Hail(2.00)
Observer at Dyess Airforce Base reported two inch diameter hail.									

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>TEXAS, Central</u>									
Taylor County									
Tye	13	1910CST			0	5	150K		Hail(2.75)
Baseball size hail moved through the community of Tye causing significant damage to homes and automobiles. Five people were injured by the hail and broken glass.									
Taylor County									
View	13	1922CST			0	0	20K		Hail(2.75)
A storm spotter reported damage to his home and several of his vehicles. This damage was caused by baseball size hail.									
Irion County									
13 N Mertzon	13	1927CST			0	0			Thunderstorm Wind (G61)
Taylor County									
Buffalo Gap	13	1948CST			0	0			Hail(1.75)
Irion County									
Mertzon	13	1958CST			0	0	10K		Thunderstorm Wind
High thunderstorm winds knocked down several power poles and caused roof damage to the school in Mertzon.									
Tom Green County									
1 S Tankersly	13	2015CST			0	0	3K		Thunderstorm Wind
A storm spotter reported power lines knocked down due to high thunderstorm winds.									
Haskell County									
Haskell	13	2035CST			0	0			Hail(1.00)
Severe thunderstorms moved across the Big Country and the western Concho Valley. Taylor county just to the west and south of Abilene was especially hard hit with hail to the size of baseballs. An eye witness at the truck stop in Tye saw a brief tornado that almost hit the truck stop. Severe thunderstorms over the western Concho Valley produced high winds that caused damage to the school in Mertzon.									
Haskell County									
7 N Haskell	15	2125CST			0	0			Thunderstorm Wind (G61)
Haskell County									
Lake Stamford	15	2130CST			1	2			Thunderstorm Wind (G61)
Strong thunderstorm winds capsized a boat on Lake Stamford. Three people were in the boat at the time it capsized and one person drowned. M40BO									
Throckmorton County									
Throckmorton	15	2145CST			0	0			Thunderstorm Wind (G61)
Throckmorton County									
Elbert	15	2200CST			0	0	8K		Thunderstorm Wind
Strong thunderstorm winds blew the roof off of a building in Elbert.									
Shackelford County									
5 NW Albany	15	2210CST			0	0	4K		Thunderstorm Wind
Power lines were downed as a result of strong thunderstorm winds.									
Shackelford County									
Albany	15	2215CST			0	0	4K		Thunderstorm Wind
Power lines were downed in the city of Albany.									
Jones County									
Hamlin	15	2338CST			0	0			Thunderstorm Wind (G52)
Brown County									
Brownwood	16	0020CST			0	0	12K		Thunderstorm Wind
Several power lines and trees were downed in the city of Brownwood due to strong thunderstorm winds.									
Tom Green County									
San Angelo Mathis Fl	16	0125CST			0	0			Thunderstorm Wind (G53)^M
Thunderstorms several miles to the north of San Angelo produced an outflow that sent strong winds across the northern portions of Tom Green county and the City of San Angelo.									
Coleman County									
Coleman	16	0150CST			0	0	12K		Thunderstorm Wind
Trees and power lines were downed over the city of Coleman due to strong thunderstorm winds.									

Storm Data and Unusual Weather Phenomena

June 2002

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

TEXAS, Central

Thunderstorms formed over the Texas Panhandle and western Oklahoma during the early evening hours. These storms moved quickly to the southeast and produced strong damaging winds over much of west central Texas in the late evening and early morning hours.

Coke County 10 SW Robert Lee	27	0330CST			0	0			Thunderstorm Wind (G52)
Tom Green County Water Vly	27	0345CST			0	0			Thunderstorm Wind (G52)
Tom Green County 12 N San Angelo to 2 N San Angelo	27	0350CST			0	0	4K		Thunderstorm Wind (G52)

Strong thunderstorm winds produced a gust front that contained winds of 60 to 65 mph. Damage occurred to roof of a carport just north of San Angelo.

TEXAS, Central Southeast

Brazos County Bryan	16	0310CST			0	0	5K		Thunderstorm Wind
			Trees blown down.						
Burleson County Caldwell	16	0310CST			0	0	5K		Thunderstorm Wind
			Trees blown down.						
Burleson County Somerville	16	0310CST			0	0	20K		Thunderstorm Wind
			Trees blown down; one on a house.						
Washington County Burton	16	0331CST			0	0	3K		Thunderstorm Wind
			Trees blown down.						
Washington County Countywide	16	0331CST 0345CST			0	0	25K		Thunderstorm Wind
			Trees blown down countywide...including in Brenham at FM 289 and Old Mill Rd.						
Walker County New Waverly	16	0345CST			0	0	5K		Thunderstorm Wind
			Trees blown down at FM 1374.						
Waller County Waller	16	0358CST			0	0	3K		Thunderstorm Wind
			Trees down along C Street.						
Washington County 5 WSW Burton	16	0415CST			0	0	30K		Lightning
			Lightning caused fire that destroyed 25 to 50% of Carmine Feed and Fertilizer in Carmine.						
Montgomery County Countywide	16	0430CST 0445CST			0	0	20K		Thunderstorm Wind
			Trees blown down across the entire county.						
Fort Bend County Clodine	16	0525CST			0	0	5K		Hail(0.75)
Fort Bend County Clodine	16	0525CST			0	0	2K		Thunderstorm Wind (G51)
			Large limbs blown down.						
Harris County Alief	16	0525CST			0	0	10K		Thunderstorm Wind
			Trees blown down in the Mission Glen Subdivision.						

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>TEXAS, Central Southeast</u>									
Wharton County									
Countywide	16	0525CST			0	0	30K		Thunderstorm Wind
Trees blown down from Wharton to El Campo...some fell on houses and cars.									
Brazoria County									
Damon	16	0550CST			0	0	3K		Thunderstorm Wind
Trees blown down.									
Brazoria County									
Sweeny	16	0550CST			0	0	5K		Thunderstorm Wind
Trees blown down.									
Harris County									
Morgans Pt	16	0555CST			0	0	2K		Thunderstorm Wind (G55) ^M
55 knot gust recorded by PORTS station.									
Montgomery County									
Conroe	21	2030CST			0	0	4K		Hail(0.75)
Brazoria County									
1.5 S Angleton	29	1047CST			0	0	5K		Thunderstorm Wind
Wind damage to a home at FM 523 and CR 804.									
Fort Bend County									
3 N Sugarland	29	1122CST			0	0	20K		Thunderstorm Wind
Wind damage to homes in the Salida Del Sol Subdivision (key map 527K), powerlines down.									
Harris County									
Countywide	29	1200CST 1215CST			0	0	50K		Thunderstorm Wind
Trees blown down countywide. Key map locations 533C, 492P, 454K, 494D, 493S, 492N, 538F, 572E, 618C). Trees blown onto houses at Fry Rd and FM 529.									
Montgomery County									
Magnolia	29	1230CST			0	0	5K		Thunderstorm Wind
Powerlines blown down on FM 2978.									
Montgomery County									
New Caney	29	1235CST			0	0	5K		Thunderstorm Wind
Trees blown down along FM 1485.									
Waller County									
Hempstead	29	1237CST			0	0	3K		Thunderstorm Wind
13 trees blown down.									
Walker County									
1 W Huntsville	29	1330CST			0	0	3K		Thunderstorm Wind
Trees blown down.									
Madison County									
1 S Madisonville	29	1350CST			0	0	3K		Thunderstorm Wind
Trees blown down.									

TEXAS, Extreme West

El Paso County									
Fabens	14	2005MST			0	0	75K		Thunderstorm Wind (G52)
Thunderstorm outflow winds were estimated at 60 mph in Fabens, and resulted in power outages and a few downed trees. Lesser winds (50 mph) further northwest caused some unsecured trailer homes to blow over into some power poles.									
Hudspeth County									
Dell City	20	1525MST			0	0			Thunderstorm Wind (G52)
Estimated wind gusts of 60 mph caused a power outage and visibilities near zero in blowing dust.									

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>TEXAS, Mid - South</u>									
San Patricio County									
Mathis	26	1735CST			0	0			Thunderstorm Wind (G60)
									Winds over 60 mph
Jim Wells County									
Sandia	26	1755CST			0	0			Tstm Wind/Hail
									Trees down...quarter size hail
Duval County									
San Diego	26	1858CST			0	0			Tstm Wind/Hail
									Golfball size hail
Goliad County									
Fannin	26	2310CST			0	0			Thunderstorm Wind (G60) ^M
									60 mph wind
Victoria County									
Mission Vly	29	2230CST			0	0			Thunderstorm Wind (G50)
									Wind damage to Ham radio tower
<u>TEXAS, North</u>									
Montague County									
Nocona	04	2215CST			0	0	4K		Thunderstorm Wind (G52)
									Numerous trees were blown down by high winds.
Montague County									
Montague	04	2225CST			0	0	4K		Thunderstorm Wind (G52)
									Numerous trees were blown down by high winds.
Cooke County									
Muenster	04	2340CST			0	0	2K		Thunderstorm Wind (G52)
									One large tree and two small trees were blown down by high winds.
Wise County									
Decatur	13	1250CST			0	0			Thunderstorm Wind (G52)
Tarrant County									
Ft Worth	13	1345CST			0	0	4K		Thunderstorm Wind (G52)
									A large tree was blown down on the corner of West Bolt and Baldwin streets. Power lines were blown down in east Fort Worth and just west of the downtown area.
Young County									
Olney	15	2145CST			0	0	4K		Thunderstorm Wind (G52)
									High winds blew away a shed, flashing was torn from the roof of city hall, and a storefront window was broken.
Jack County									
Jacksboro	15	2150CST			0	0	5K		Thunderstorm Wind (G52)
									Trees and power lines blown down in town and also scattered damage across the county.
Young County									
Newcastle	15	2200CST			0	0	10K		Thunderstorm Wind (G52)
									The roof was blown off a grocery store and multiple power lines were blown down.
Montague County									
5 E Ringgold	15	2204CST			0	0	2K		Thunderstorm Wind (G52)
									Telephone poles were blwn dwn across Highway 82.
Stephens County									
Breckenridge	15	2220CST 2230CST			0	0	50K		Thunderstorm Wind (G65)
									Trees and power lines were blown down across town, with numerous reports of roof damage to homes and businesses.
Palo Pinto County									
Graford	15	2234CST			0	0	35K		Thunderstorm Wind

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>TEXAS, North</u>									
Two roofs were blown off homes near Graford, there was damage to a business, damage to the high school gym, and trees and power lines were blown down.									
Palo Pinto County 8 N Strawn	15	2240CST			0	0	5K		Thunderstorm Wind (G52)
A shed was destroyed, a barn damaged, and trees were blown down.									
Eastland County Eastland	15	2255CST			0	0	3K		Thunderstorm Wind (G52)
Windows were blown out of the dairy queen, and trees were blown down around the county.									
Palo Pinto County Mineral Wells	15	2255CST			0	0	100K		Thunderstorm Wind (G62)^M
ASOS reported wind gusts to 74 mph. There was widespread damage to homes and businesses, numerous reports of outbuildings destroyed, and numerous trees and power lines blown down. Wal-Mart had to close Sunday to clean up the damage.									
Eastland County Countywide	15	2300CST			0	0	5K		Thunderstorm Wind (G52)
Power poles and street lights blown down in Eastland, Cisco, and Ranger.									
Erath County Morgan Mill	15	2315CST			0	0	10K		Thunderstorm Wind (G52)
Trees were blown down on Highway 281 near Morgan Mill. The roof of the Morgan Mill school was heavily damaged.									
Hood County Countywide	15	2315CST			0	0			Thunderstorm Wind (G52)
Trees were blown down across the county.									
Parker County Aledo	15	2315CST			0	0			Thunderstorm Wind (G61)
Wise County Countywide	15	2315CST			0	0			Thunderstorm Wind (G52)
Trees blown down over all the county.									
Hood County Countywide	15 16	2330CST 2330CST			0	0	5K		Thunderstorm Wind (G52)
Trees, power lines, and street signs were blown down across the county.									
Tarrant County Keller	15	2330CST			0	0			Thunderstorm Wind (G62)
Young County Graham	15	2330CST			0	0	20K		Thunderstorm Wind (G52)
Part of a church roof was blown off, the canopy was blown off a gas station, several windows broken, and damage to several parked cars from wind blown debris.									
Comanche County Countywide	15	2335CST			0	0	4K		Thunderstorm Wind (G52)
Trees were blown down across the county.									
Johnson County Burleson	15	2340CST			0	0			Thunderstorm Wind (G52)
A 40 to 50 foot high tree was blown down across McAlister Road in Burleson.									
Tarrant County Arlington	15	2345CST			0	0			Thunderstorm Wind (G50)
Large tree blown down.									
Johnson County Alvarado	15	2350CST			0	0			Thunderstorm Wind (G69)
State trooper on Interstate 35 near Alvarado reported wind gusts to 80 mph.									
Bosque County Meridian	16	0000CST			0	0	2K		Thunderstorm Wind (G52)
Trees down on Highway 6 between Meridian and Clifton.									

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>TEXAS, North</u>									
Hill County									
5 E Hillsboro	16	0015CST			0	0	1K		Thunderstorm Wind (G52)
			Trees and a power pole were blown down.;						
Mills County									
Goldthwaite	16	0015CST			0	0	2K		Thunderstorm Wind (G52)
			Trees were blown down in town.						
Ellis County									
Countywide	16	0030CST			0	0	10K		Thunderstorm Wind (G52)
			Trees and power lines were blown down across the county.						
Lampasas County									
Nix	16	0040CST			0	0	2K		Thunderstorm Wind (G57)
			Large trees blown down in Nix and along FM 580.						
Coryell County									
Copperas Cove	16	0045CST			0	0	4K		Thunderstorm Wind (G52)
			Numerous trees were down in Copperas Cove and Gatesville.						
Mclennan County									
Waco	16	0057CST			0	0			Thunderstorm Wind (G52)
			Reported at Waco EOC station.						
Mclennan County									
Waco	16	0100CST			0	0			Hail(0.75)
			Reported at Waco EOC station.						
Tarrant County									
Haltom City	26	1520CST			0	0	50K		Thunderstorm Wind (G52)
			Apartment complex on Baker Boulevard had roof peeled off, and veneer wall on north side of complex sustained major damage. Late model car in the parking lot had trunk lid peeled over top of car						
Bell County									
Heidenheimer	26	1610CST			0	0			Hail(0.88)
Falls County									
Chilton	26	1731CST			0	0	1K		Thunderstorm Wind (G50)
			Several outbuildings blown down west of Chilton on FM 965.						
Grayson County									
Van Alstyne	26	1800CST			0	0	10K		Thunderstorm Wind (G52)
			18 wheelers on Highway 75 blown over, signs blown down, and large tree was blown onto a house.						
Milam County									
Rockdale	26	1828CST			0	0			Thunderstorm Wind (G52)
			Non-specific wind damage was reported by the fire chief.						
<u>TEXAS, North Panhandle</u>									
Collingsworth County									
Wellington	04	1219CST			0	0			Hail(0.88)
Oldham County									
10 W Adrian	04	1826CST			0	0			Thunderstorm Wind (G52)
Oldham County									
Adrian	04	1900CST			0	0			Hail(0.75)
Oldham County									
2 NW Vega	04	1907CST			0	0			Thunderstorm Wind (G61)
Deaf Smith County									
3 S Hereford	04	1930CST			0	0			Hail(1.00)
Potter County									
Bushland	04	1938CST			0	0			Thunderstorm Wind (G52)

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>TEXAS, North Panhandle</u>									
Potter County									
Bushland	04	1943CST			0	0	15K		Thunderstorm Wind (G61)
									Powerlines were reported blown down.
Potter County									
Bushland	04	1947CST			0	0	35K		Thunderstorm Wind (G61)
									Cars were reported to be blown off the road. No injuries were reported.
Potter County									
8 W Amarillo	04	1948CST			0	0	50K		Thunderstorm Wind (G61)
									A recreational vehicle business and the roof of a home sustained considerable damage along Interstate 40. No injuries were reported.
Potter County									
7 W Amarillo	04	1948CST			0	0	30K		Thunderstorm Wind (G52)
									Cars were reported to be blown off the road. No injuries were reported.
Potter County									
5 SW Amarillo	04	1951CST			0	0			Thunderstorm Wind (G61)
Potter County									
Amarillo	04	1957CST			0	0			Thunderstorm Wind (G52)
Potter County									
4.5 W Amarillo	04	2000CST			0	0			Thunderstorm Wind (G52)^M
									High winds reported at the Discovery Center in western Amarillo.
Potter County									
1 N Amarillo	04	2006CST			0	0			Thunderstorm Wind (G55)^M
Randall County									
Umbarger	04	2024CST			0	0			Thunderstorm Wind (G52)
									Severe thunderstorms containing damaging winds along with some hail raked across the southwestern and south-central Texas panhandle during the evening hours. An isolated severe thunderstorm with hail occurred during the early afternoon hours over Collingsworth county in the southeastern Texas panhandle.
Hutchinson County									
3 N Sanford	10	1549CST			0	0			Hail(0.88)
Hutchinson County									
3 NE Stinnett	10	1550CST			0	0			Hail(0.88)
Hutchinson County									
15 NE Stinnett	10	1550CST			0	0	35K		Thunderstorm Wind (G61)
									Numerous trees and powerlines were reported down. Also...irrigation equipment reported damaged by the high winds.
Hansford County									
Spearman	10	1625CST			0	0			Thunderstorm Wind (G52)
Ochiltree County									
Perryton	10	1630CST			0	0			Thunderstorm Wind (G52)
Carson County									
Panhandle	10	1725CST			0	0			Hail(0.75)
Carson County									
3 S White Deer	10	1753CST			0	0			Hail(0.75)
Carson County									
White Deer	10	1755CST			0	0			Hail(0.75)
Carson County									
White Deer	10	1758CST			0	0			Hail(0.88)
Gray County									
1 SW Kings Mill	10	1801CST			0	0			Hail(0.88)
Hemphill County									
5 NW Canadian	10	1808CST			0	0			Hail(0.75)

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<u>TEXAS, North Panhandle</u>									
Carson County									
White Deer	10	1815CST			0	0			Hail(1.00)
									Severe thunderstorms with large hail and damaging winds moved across the central and northeastern Texas panhandle during the late afternoon and early evening hours.
Armstrong County									
3 N Claude	12	1605CST			0	0			Hail(1.75)
Armstrong County									
5 NW Wayside	12	1640CST			0	0			Hail(1.00)
Gray County									
1 S Lefors	12	1658CST			0	0			Hail(1.75)
Gray County									
Lefors	12	1658CST			0	0			Hail(0.75)
Carson County									
6 S White Deer	12	1700CST			0	0			Hail(2.75)
Wheeler County									
Mobeetie	12	1711CST			0	0			Hail(0.75)
Randall County									
11 NE Canyon	12	1720CST			0	0			Hail(1.00)
									Severe thunderstorms containing large hail struck the south-central through eastern Texas panhandle during the early evening hours.
Sherman County									
Texhoma	13	1458CST			0	0			Hail(1.75)
Carson County									
White Deer	13	1550CST			0	0			Hail(0.88)
Carson County									
White Deer	13	1801CST			0	0			Hail(0.75)
									A couple of severe thunderstorms moved across the north-central and central Texas panhandle during the mid to late afternoon hours and also during the early evening hours.
Hansford County									
6 NE Gruver	15	1644CST			0	0			Thunderstorm Wind (G56)
Hartley County									
10 E Hartley	15	1655CST			0	0			Hail(0.88)
Hansford County									
7 S Spearman	15	1657CST			0	0			Thunderstorm Wind (G52)
Moore County									
6 SW Machovec	15	1701CST			0	0			Thunderstorm Wind (G50)
Hutchinson County									
Stinnett	15	1710CST			0	0			Thunderstorm Wind (G61)
Moore County									
Dumas	15	1719CST			0	0			Hail(1.00)
Hutchinson County									
Sanford	15	1739CST			0	0			Hail(1.00)
Lipscomb County									
Darrouzett	15	1754CST			0	0			Hail(1.75)
Gray County									
2 NW Pampa	15	1758CST			0	0			Hail(0.75)
Hemphill County									
7 N Canadian	15	1810CST			0	0	15K		Thunderstorm Wind (G61)
									Numerous trees and powerlines were reported down.

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>TEXAS, North Panhandle</u>									
Carson County									
10 N Panhandle	15	1811CST			0	0			Hail(0.75)
Potter County									
15 NE Amarillo	15	1819CST			0	0			Hail(0.88)
Carson County									
2 N Pantex	15	1823CST			0	0			Hail(0.88)
Carson County									
6 NW Panhandle	15	1824CST			0	0			Hail(0.75)
Hemphill County									
21 ESE Mendota	15	1831CST			0	0			Thunderstorm Wind (G61)
									Several trees were reported blown down.
Carson County									
Pantex	15	1833CST			0	0			Hail(0.75)
Carson County									
Pantex	15	1833CST			0	0			Thunderstorm Wind (G56)
Armstrong County									
Claude	15	1840CST 1842CST			0	0	35K		Thunderstorm Wind (G61)
									Cars were reported blown off the roads. Numerous trees and powerlines were also reported blown down.
Carson County									
3 E Conway	15	1849CST			0	0			Hail(0.75)
Carson County									
Conway	15	1850CST			0	0			Hail(0.88)
Armstrong County									
Claude	15	1852CST			0	0			Hail(1.75)
Armstrong County									
Claude	15	1900CST			0	0			Hail(0.75)
Wheeler County									
Shamrock	15	1903CST			0	0			Hail(0.88)
Donley County									
3 N Clarendon	15	1911CST			0	0			Thunderstorm Wind (G52)
Collingsworth County									
Wellington	15	1926CST			0	0			Thunderstorm Wind (G61)
Collingsworth County									
Dodson	15	1944CST			0	0			Thunderstorm Wind (G56)
									Severe thunderstorms containing large hail and damaging winds raked across a large part of the central and eastern Texas panhandle during the evening hours.
Sherman County									
Stratford	17	1920CST			0	0			Hail(0.75)
Hutchinson County									
3 S Stinnett	17	1943CST			0	0			Hail(1.00)
Hutchinson County									
Fritch	17	2010CST			0	0			Hail(0.75)
Hutchinson County									
Fritch	17	2010CST			0	0			Thunderstorm Wind (G61)
									The town of Sanford reported three to four inch limbs broken off of trees.
Hutchinson County									
Fritch	17	2015CST			0	0			Hail(0.75)

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>TEXAS, North Panhandle</u>									
Hutchinson County									
Fritch	17	2015CST			0	0			Thunderstorm Wind (G52)
Hutchinson County									
2 S Fritch	17	2015CST			0	0			Thunderstorm Wind (G52)
Moore County									
Masterson	17	2030CST			0	0	10K		Thunderstorm Wind (G61)
		Powerlines reported down.							
Potter County									
24 N Amarillo	17	2040CST			0	0			Hail(0.88)
Potter County									
24 N Amarillo	17	2040CST			0	0			Thunderstorm Wind (G52)
Potter County									
28 N Amarillo	17	2045CST			0	0			Hail(0.88)
Potter County									
14 NE Amarillo	17	2050CST			0	0			Thunderstorm Wind (G52)
Potter County									
19 N Amarillo	17	2056CST			0	0			Hail(1.00)
Potter County									
16 N Amarillo	17	2056CST			0	0			Thunderstorm Wind (G61)
Potter County									
10 N Amarillo	17	2117CST			0	0			Hail(0.75)
Potter County									
10 N Amarillo	17	2117CST			0	0			Hail(1.00)
Potter County									
20 NW Amarillo	17	2134CST			0	0			Thunderstorm Wind (G52)
Potter County									
5 E Bushland	17	2155CST			0	0			Hail(0.75)
		Severe thunderstorms with high winds and large hail moved across the central and south-central Texas panhandle during the evening hours.							
Wheeler County									
Wheeler	26	1805CST			0	0			Thunderstorm Wind (G56)
Wheeler County									
Wheeler	26	1806CST			0	0			Thunderstorm Wind (G52)
Wheeler County									
Wheeler	26	1810CST			0	0			Thunderstorm Wind (G52)
Wheeler County									
Wheeler	26	1812CST			0	0			Thunderstorm Wind (G52)
Carson County									
White Deer	26	1925CST			0	0			Hail(0.75)
Carson County									
White Deer	26	1925CST			0	0			Thunderstorm Wind (G52)
Carson County									
2 NW Pantex	26	2032CST			0	0			Hail(0.88)
Oldham County									
Vega	26	2117CST			0	0			Thunderstorm Wind (G56)
		Severe thunderstorms moved across the southwestern...central and eastern Texas panhandle during the early evening hours. The storms produced high winds and some hail.							

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>TEXAS, Northeast</u>									
Cherokee County									
Maydelle	16	0230CST			0	0			Thunderstorm Wind (G55)
Numerous trees down on County Road 2120 and 2107.									
Cherokee County									
5 N Rusk	16	0230CST			0	0			Thunderstorm Wind (G55)
Several power lines down across Hwy 69.									
Cherokee County									
Rusk	16	0235CST			0	0			Thunderstorm Wind (G52)
Several large trees down on FM 241.									
Cherokee County									
3 W Alto	16	0240CST			0	0			Thunderstorm Wind (G52)
Several large trees down on Hwy 294.									
Nacogdoches County									
3 SE Douglass	16	0315CST			0	0			Thunderstorm Wind (G52)
Several large and medium trees fell across CR 779.									
Harrison County									
Hallsville	20	1320CST			0	1			Lightning
A 64 year old man was struck by lightning and was found conscious and breathing when emergency personnel arrived at his residence. The man was transported to Good Shepherd Medical Center in Longview.									
Rusk County									
5 NE Henderson	25	1800CST			0	0			Hail(0.75)
Franklin County									
2 SW Mt Vernon	26	0435CST			0	0			Hail(0.88)
Franklin County									
Mt Vernon	26	0442CST			0	0			Hail(0.75)
<u>TEXAS, South</u>									
TXZ248-248>255									
Zapata - Jim Hogg - Brooks - Kenedy - Starr - Hidalgo - Willacy - Cameron									
	01	0000CST			0	0			Drought
	30	2359CST							
Extreme drought conditions persisted through Deep South Texas during the period.									
Brooks County									
Northeast Portion	28	1406CST 1630CST			0	0			Flash Flood
Intense thunderstorms dropped up to 5 inches of rain over northeast Brooks county. The rain produced flash flooding along and over State Highway 295 5 miles east of Falfurrias.									
Cameron County									
2.5 NE Port Isabel	29	1046CST 1300CST			0	0			Flash Flood
Intense thunderstorms produced flash flooding of roads and ditches on South Padre Island. An off-duty NWS employee reported 10 inches of water flowing freely on roadways in the area.									
<u>TEXAS, South Central</u>									
Burnet County									
4 WSW Burnet	16	0140CST 0210CST			0	0	100K	0	Thunderstorm Wind
Roofs were torn off homes by severe thunderstorm winds estimated at 50 to 60 knots.									
Travis County									
Austin	16	0200CST 0210CST			0	0	50K	0	Thunderstorm Wind
Trees were blown down by severe thunderstorm winds.									

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
TEXAS, South Central									
Williamson County									
Taylor	16	0200CST 0220CST			0	0	100K	0	Thunderstorm Wind
Widespread wind damage was reported to trees, outbuildings and to roofs of homes.									
Williamson County									
Taylor	16	0213CST 0215CST			0	0	0	0	Thunderstorm Wind (G57) ^M
Bastrop County									
Elgin	16	0300CST 0315CST			0	0	100K	0	Thunderstorm Wind
Several large trees were knocked over by severe thunderstorm winds in and around the Elgin area. Windows were also broken out in homes by large limbs knocked off trees.									
Bastrop County									
Paige	16	0315CST 0325CST			0	0	50K	0	Thunderstorm Wind
Trees were blown down 3 miles west of the intersection of US290 and SH21 near Paige.									
Lee County									
10 WSW Lincoln to 5 SW Lincoln	16	0330CST 0340CST			0	0	30K	0	Thunderstorm Wind
Trees were blown over by severe thunderstorm winds along US21 between Lincoln and Manheim.									
Val Verde County									
Del Rio	26	0735CST 0900CST			0	0	50K	0	Flash Flood
Rainfall of up to 4 inches in less than 2 hours caused flash flooding across the city of Del Rio. The Sheriff's Department reported numerous low water crossings flooded in the city.									
Fayette County									
Muldoon	26	1650CST 1710CST			0	0	0	0	Hail(2.00)
Williamson County									
5 S Taylor	26	1746CST 1800CST			0	0	0	0	Hail(1.75)
Williamson County									
Taylor	26	1746CST 1800CST			0	0	100K	0	Thunderstorm Wind
Roofs were damaged, with some blown off homes, by severe thunderstorm winds. A mobile home was also damaged by the severe winds. Over 9000 homes were without power in Cedar Park for several hours due to the storm.									
Williamson County									
Georgetown	26	1755CST 1805CST			0	0	0	0	Hail(2.00)
Williamson County									
Leander to Cedar Park	26	1800CST 1815CST			0	0	50K	0	Thunderstorm Wind
Large limbs were knocked out of trees and large trees were blown down by severe thunderstorm winds in a path that stretched from near Leander to Cedar Park.									
Williamson County									
Georgetown	26	1806CST 1810CST			0	0	150K	0	Thunderstorm Wind (G55) ^M
Trees were blown down by severe thunderstorm winds. Also, an 18-wheeler was blown over by the winds.									
Bastrop County									
6 N Elgin	26	1820CST 1835CST			0	0	0	0	Hail(0.75)
Williamson County									
Georgetown	26	1820CST 1830CST			0	0	0	0	Hail(1.75)
Lee County									
10 NW Fedor	26	1829CST 1845CST			0	0	0	0	Hail(0.75)

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>TEXAS, South Central</u>									
Lee County									
10 NW Fedor	26	1829CST 1845CST			0	0	10K	0	Thunderstorm Wind
Severe thunderstorm winds estimated at over 50 knots blew down numerous large branches from trees.									
Williamson County									
Cedar Park	26	1830CST 1840CST			0	0	0	0	Hail(2.00)
Williamson County									
Round Rock	26	1837CST 1850CST			0	0	0	0	Hail(1.00)
Travis County									
Lake Travis	26	1855CST 1905CST			0	0	0	0	Hail(1.00)
Travis County									
Lake Travis	26	1900CST 1910CST			0	0	300K	0	Thunderstorm Wind (G69) ^M
High winds and large hail struck Lake Travis, causing damage to windows and roofs of homes and boats in the area. The worst damage occurred when the high winds shoved a boat into the wall at Mansfield Dam with sufficient force to sink the boat.									
Travis County									
Austin	26	1908CST 1910CST			0	0	0	0	Thunderstorm Wind (G56) ^M
Travis County									
Austin	26	1920CST 1930CST			0	0	100K	0	Thunderstorm Wind
Severe thunderstorm winds knocked down trees across the city of Austin. As many of the trees fell on utility lines, power was lost for several hours to around one thousand residents for a period of several hours.									
Kerr County									
Kerrville	27	1710CST 1900CST			0	0	10K	0	Flash Flood
Amateur radio operators reported nearly 2 inches of rain falling in less than 30 minutes in the Kerrville area. As a result, low water crossings were flooded for almost two hours.									
Guadalupe County									
West Portion	30	0335CST 1400CST			0	0	10K	0	Flash Flood
General 1 to 2 inch rainfall totals with isolated amounts of up to 4 inches.									
Bandera County									
Countywide	30	0500CST 1400CST			0	0	20K	0	Flash Flood
General 3 to 4 inch rainfall totals with isolated amounts of up to 7 inches.									
Hays County									
West Portion	30	0545CST 1700CST			0	0	10K	0	Flash Flood
General 1 to 2 inch rainfall totals with isolated amounts of up to 4 inches.									
Blanco County									
Countywide	30	0600CST 1700CST			0	0	30K	0	Flash Flood
General 3 to 4 inch rainfall totals with isolated amounts of up to 9 inches.									
Comal County									
Countywide	30	0600CST 1700CST			0	0	10K	0	Flash Flood
General 1 to 2 inch rainfall totals with isolated amounts of up to 5 inches.									
Kendall County									
Countywide	30	0730CST 1800CST			0	0	30K	0	Flash Flood
General 3 to 4 inch rainfall totals with isolated amounts of up to 9 inches.									

Storm Data and Unusual Weather Phenomena

June 2002

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

TEXAS, South Central

Bexar County

Countywide	30	0930CST 1700CST			0	0	15K	0	Flash Flood
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General 2 to 3 inch rainfall totals with isolated amounts of up to 7 inches.

Burnet County

South Portion	30	0930CST 1500CST			0	0	10K	0	Flash Flood
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General 1 to 2 inch rainfall totals with isolated amounts of up to 4 inches.

Gillespie County

Southeast Portion	30	1000CST 1800CST			0	0	10K	0	Flash Flood
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General 2 to 3 inch rainfall totals with isolated amounts of up to 6 inches.

Kerr County

East Portion	30	1000CST 1800CST			0	0	10K	0	Flash Flood
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General 3 to 4 inch rainfall totals with isolated amounts of up to 8 inches.

Toward the end of June, 2002, a trough of low pressure, featuring a cold-core low on its north end, moved inland from the western Gulf of Mexico across the Texas Coast. This system, with cold temperatures aloft and a rich moisture field and very warm temperatures in the lower levels of the atmosphere, began to produce widespread showers and thunderstorms across central Texas. On the 29th of June, the activity produced general rain amounts of less than 1 inch, with isolated totals between 3 and 4 inches over parts of Guadalupe, Hays, Bandera, Gonzales and DeWitt Counties. No flooding problems were indicated, but a long-standing drought had begun to weaken, and soils along and east of the I-35 corridor were starting to saturate.

The shower and thunderstorm activity that developed on June 30th was much more widespread and significant. The activity initiated over the Hill Country shortly after midnight on the 29th and spread southeastward to cover most of South Central Texas. An axis of heavier rain ran along much of the I-35 corridor from Marble Falls to Blanco to Boerne to San Antonio to Pleasanton and southward beyond Tilden. In this area, the average rainfall was between 3 and 5 inches, with isolated totals to near 9 inches. Area soils were completely saturated within a few hours, and by mid-afternoon, most streams and creeks were running full. Widespread flash flooding began just before sunrise and continued well into the afternoon period in the counties of Burnet, Gillespie, Blanco, Kerr, Bandera, Kendall, Hays, Comal, Bexar and Guadalupe. Damage was reported to roads and bridges across this ten county area. There were no injuries and no loss of life.

TXZ190

Blanco

30	1400CST 2355CST				0	0			Flood
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The Pedernales River crested at Johnson City at 20.14 feet on June 30 at 1715 CST. Flood stage is 14.0 feet.

The Blanco River crested at Wimberley at 16.88 feet on June 30 at 2245 CST. Flood stage is 13.0 feet.

TEXAS, South Panhandle

Hall County

Memphis	04	1127CST			0	0	25K		Hail(0.88)
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Cottle County

Cee Vee	04	1300CST			0	0	25K		Hail(0.88)
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Childress County

2 SW Childress	04	1310CST			0	0	25K		Hail(0.75)
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Bailey County

1 E Goodland to 6 N Maple	04	1315CST 1330CST			0	0	100K		Hail(1.00)
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Hail up to quarter size destroyed crops.

Childress County

Arlie	04	1320CST			0	0	2K		Thunderstorm Wind
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Strong thunderstorm winds blew down trees and power lines.

Lubbock County

5 SW Shallowater to 3 S Shallowater	04	1330CST 1415CST			0	0	2M		Hail(1.75)
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Wind-driven hail up to golfball size destroyed more than 11,000 acres of cotton

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>TEXAS, South Panhandle</u>									
Lubbock County 5 SW Shallowater	04	1330CST			0	0			Thunderstorm Wind (G52)
Hockley County Roundup	04	1342CST			0	0	25K	200K	Hail(1.75) The Hockley County Sheriff's office reported golfball size hail.
Hale County 3 N Abernathy	04	1348CST			0	0		25K	Hail(0.88)
Lubbock County Reese Afb	04	1400CST 1405CST			0	0	25K		Hail(1.50)
Lubbock County 2 E Reese Afb	04	1403CST 1407CST			0	0		200K	Hail(1.75) Storm spotters reported golfball size hail.
Lubbock County New Deal	04	1430CST 1515CST			0	0			Hail(0.75) Hail up to dime size was reported to be one foot deep in portions of town.
Hale County 5 NE Abernathy	04	1435CST			0	0			Thunderstorm Wind (G60)^M The West Texas Mesonet station northeast of town measured 69 mph wind gusts.
Hale County 11 S Plainview	04	1445CST			0	0	5K		Thunderstorm Wind Strong thunderstorm winds snapped thirteen large transmission poles and fourteen distribution poles.
Lubbock County New Deal	04	1501CST			0	0			Hail(0.75)
Floyd County 1 W Barwise	04	1510CST			0	0		200K	Hail(1.75) The Floyd County Sheriff's office reported golfball size hail. A few hundred acres of cotton were destroyed.
Floyd County 1 E Sandhill	04	1510CST			0	0		2K	Thunderstorm Wind Eight power poles were snapped by strong thunderstorm winds.
Hale County 8 N Petersburg	04	1510CST			0	0		1M	Hail(1.75) Wind-driven golfball size hail was reported by law enforcement officials. At least 8000 acres of cotton were destroyed.
Floyd County Barwise	04	1512CST			0	0	50K		Thunderstorm Wind Strong thunderstorm winds destroyed a large feeder house.
Floyd County Muncy	04	1515CST			0	0	25K	150K	Hail(1.75) The public reported golfball size hail.
Lubbock County New Deal	04	1520CST 1536CST			0	0		50K	Hail(1.00)
Floyd County Floydada	04	1524CST			0	0	100K		Hail(1.75) The Floyd County Sheriff's office reported golfball size hail. The hail damaged automobiles and the roofs of homes.
Floyd County Floydada	04	1524CST			0	0	150K		Thunderstorm Wind (G57) Spotters affiliated with the Floyd County Sheriff's office estimated 60 to 70 mph winds in town. The wind damaged the roofs of several homes and businesses, destroyed several center pivot irrigation systems, snapped at least 56 power poles and blew down trees.

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>TEXAS, South Panhandle</u>									
Lubbock County									
Reese Afb	04	1528CST			0	0			Hail(1.00)
Floyd County									
2 NE Floydada	04	1530CST			0	0			Thunderstorm Wind (G68) ^M The West Texas Mesonet station northeast of town measured 78 mph thunderstorm wind gusts.
Lubbock County									
New Deal	04	1530CST 1630CST			0	0			Flash Flood Four to five inches of rain in two hours resulted in flooding in town. Some roads had one to two feet of water covering them.
Floyd County									
11 NE Floydada	04	1545CST 1600CST			0	0	20K	150K	Hail(1.75) Golfball size hail was reported in Cedar Hill.
Lubbock County									
Abernathy	04	1546CST 1558CST			0	0			Hail(1.00)
Floyd County									
3 W Dougherty to 2 W Dougherty	04	1550CST 1553CST	1	40	0	0			Tornado (F0) An off-duty NWS meteorologist reported a tornado west of town. The tornado remained over open country.
Hale County									
3 N Abernathy	04	1552CST 1730CST			0	0			Flash Flood I-27 north of town was flooded and closed.
Lubbock County									
New Deal	04	1600CST 1630CST			0	0			Hail(0.75)
Motley County									
1 W Matador to Matador	04	1609CST 1622CST			0	0	250K	600K	Hail(2.00) Spotters affiliated with the Matador FD reported hail larger than golfball size. Homes and automobiles were damaged and thousands of acres of crops were destroyed.
Motley County									
13 E Matador	04	1630CST			0	0	250K		Hail(2.75) Storm spotters affiliated with the Matador FD reported golfball to baseball size hail.
Hale County									
Petersburg	04	1640CST			0	0			Hail(1.00)
Hale County									
1 N Petersburg	04	1645CST 1712CST			0	0	200K		Hail(1.75)
Lubbock County									
6 NE New Deal	04	1700CST 1800CST			0	0			Flash Flood A farmer reported 4.5 inches of rain in 1.5 hours. Several Farm-to-Market roads were flooded.
Cottle County									
7 E Cee Vee	04	1705CST			0	0			Hail(0.75)
Floyd County									
4 S Floydada	04	1708CST			0	0	100K		Hail(1.00)
Floyd County									
Floydada to 2 S Floydada	04	1712CST 1718CST			0	0	250K		Hail(1.75) The Floyd County Sheriff's office reported golfball size hail.
Floyd County									
Floydada	04	1715CST			0	0	300K		Hail(2.75) Baseball size hail was reported in town. The hail damaged automobiles and the roofs of many homes.

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<u>TEXAS, South Panhandle</u>									
Floyd County									
2 S Barwise	04	1716CST			0	0	100K		Hail(1.00)
Floyd County									
3 N Dougherty	04	1738CST			0	0	100K		Hail(1.00)
Hockley County									
Levelland	04	1804CST 1816CST			0	0	250K		Hail(2.50)
									Large hail broke car windshields, cracked skylights, broke windows, and damaged the roofs of homes.
Hockley County									
Levelland	04	1825CST			0	0	250K		Hail(2.75)
									The Hockley County Sheriff's office reported baseball size hail. Automobiles and the roofs of homes were damaged.
Lamb County									
Littlefield	04	1825CST			0	0	100K		Hail(1.75)
									The Littlefield PD reported golfball size hail.
Stonewall County									
Old Glory	04	1830CST			0	0			Hail(0.75)
Hale County									
Plainview	04	1840CST			0	0			Hail(0.75)
Hockley County									
1 E Sundown	04	1855CST			0	0	25K		Hail(0.75)
Lubbock County									
Reese Afb	04	1855CST 1905CST			0	0			Hail(0.88)
Lubbock County									
1 W Reese Afb	04	1858CST			0	0	2K		Thunderstorm Wind (G62) ^M
									Strong thunderstorm winds downed trees and power lines just west of Reese Center.
Lubbock County									
2 S Shallowater	04	1900CST			0	0	200K		Hail(2.00)
									The public reported hail larger than golfball size south of town.
Lubbock County									
2 S Shallowater	04	1900CST			0	0			Thunderstorm Wind (G61)
Lynn County									
10 N New Moore	04	1905CST			0	0	100K		Hail(1.00)
Lubbock County									
Shallowater	04	1915CST 1930CST			0	0	15K		Thunderstorm Wind
									Strong thunderstorm winds damaged mobile homes.
Lubbock County									
Lubbock	04	1920CST			0	0	10K		Thunderstorm Wind
									Ten power poles were snapped in the northwest part of town. Roofs of several homes were also damaged.
Lubbock County									
1 N Slide	04	1923CST			0	0	200K		Hail(1.75)
									An off-duty NWS employee reported golfball size hail.
Lubbock County									
Lubbock	04	1926CST			0	0	50K		Hail(1.75)
									An off-duty NWS employee reported golfball size hail near Loop 289 and Highway 87.
Lubbock County									
Lubbock	04	1928CST			0	0			Hail(0.88)
Lubbock County									
Lubbock	04	1929CST			0	0	50K		Hail(1.75)
									Golfball size hail fell at the NWS office on the south side of town.

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>TEXAS, South Panhandle</u>									
Hale County									
5 NE Abernathy	04	1930CST 2100CST			0	0			Flash Flood
Several county roads were reported flooded.									
Lubbock County									
North Portion	04	1930CST 2100CST			0	0			Flash Flood
Several roads were reported flooded across the northern portion of the county.									
Lubbock County									
Lubbock	04	1937CST			0	0	200K		Hail(2.00)
An off-duty NWS employee reported hail larger than golfball size.									
Hockley County									
Smyer	04	1947CST			0	0			Thunderstorm Wind (G52)
Strong thunderstorm winds snapped large tree limbs.									
Lubbock County									
4 E Idalou	04	1947CST			0	0		75K	Hail(1.00)
Lubbock County									
1 E Reese Afb	04	1948CST			0	0	15K		Thunderstorm Wind
Strong thunderstorm winds damaged several roofs east of Reese Center.									
Terry County									
Brownfield	04	2003CST			0	0			Hail(0.75)
Lubbock County									
6 W Lubbock	04	2016CST			0	0		75K	Hail(1.00)
Crosby County									
Ralls	04	2018CST			0	0	250K		Hail(2.75)
Spotters affiliated with the Crosby County Sheriff's office reported baseball size hail.									
Terry County									
4 E Brownfield	04	2025CST			0	0		25K	Hail(0.75)
Crosby County									
Crosbyton	04	2030CST			0	0			Hail(1.00)
Crosby County									
Broadway	04	2045CST			0	0		600K	Hail(2.75)
Baseball size hail destroyed thousands of acres of crops.									
Dickens County									
Mc Adoo	04	2108CST			0	0			Hail(1.00)
Lynn County									
7 E Wilson	04	2115CST			0	0		200K	Hail(1.75)
Garza County									
Pleasant Vly to Close City	04	2120CST 2130CST			0	0		150K	Hail(1.75)
Dickens County									
5 S Mc Adoo	04	2122CST			0	0		100K	Hail(1.75)
The Dickens County Sheriff's office reported golfball size hail.									
Dickens County									
Dickens	04	2131CST			0	0			Thunderstorm Wind (G52)
Garza County									
Post	04	2141CST 2155CST			0	0	400K		Hail(2.75)
The Garza County Sheriff's office reported baseball size hail in town.									
Bailey County									
Muleshoe	09	1655CST 1700CST			0	0			Hail(0.88)

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>TEXAS, South Panhandle</u>									
Bailey County									
Bailey County Bula to 6 S Bula	09	1745CST 1755CST			0	0		1M	Hail(1.75) Wind-driven golfball size hail destroyed thousands of acres of cotton.
Bailey County Bula	09	1745CST			0	0			Thunderstorm Wind (G61) Personnel at the Bula gin estimated 70 mph thunderstorm wind gusts.
Hockley County									
Hockley County Oklahoma Flat	09	1810CST			0	0	2K	40K	Thunderstorm Wind Strong thunderstorm winds blew down trees and power lines. Wind-driven heavy rain and hail also damaged crops.
Hockley County Levelland	09	1820CST			0	0	2K		Thunderstorm Wind Strong thunderstorm winds snapped power poles just west of town.
Hockley County Levelland	09	1825CST			0	0			Hail(0.75)
Hockley County 4 S Levelland	09	1825CST			0	0			Thunderstorm Wind (G50) ^M The West Texas Mesonet station south of town measured 58 mph thunderstorm wind gusts.
Hockley County 6 S Anton	09	1845CST			0	0		2.5M	Thunderstorm Wind (G75) ^M The West Texas Mesonet station south of town measured 86 mph thunderstorm wind gusts. Wind-driven hail and rain destroyed around 20,000 acres of cotton.
Lubbock County									
Lubbock County 5 N Shallowater	09	1852CST			0	0			Thunderstorm Wind (G65) Trees were uprooted and large limbs were blown down by strong thunderstorm winds. The public estimated 70 to 80 mph winds in the area.
Hale County									
Hale County 4 W Abernathy	09	1920CST			0	0			Thunderstorm Wind (G57) Trees were uprooted and large limbs were blown down by strong thunderstorm winds. The public estimated 60 to 70 mph winds in the area.
Hale County Plainview	09	2020CST			0	0	2K		Thunderstorm Wind Strong thunderstorm winds blew down power poles and signs.
Hockley County Pettit	11	1752CST			0	0			Hail(0.75)
Hockley County 1 S Arnett	11	2030CST 2230CST			0	0			Flash Flood Portions of Farm-to-Market Road 3261 were closed south of town due to flood waters.
Hockley County 2 NW Lockettville	11	2115CST			0	0		250K	Hail(1.75) Hail up to golfball size destroyed crops.
Parmer County									
Parmer County 7 N Lazbuddie	12	1545CST			0	0	5K		Thunderstorm Wind Strong thunderstorm winds destroyed a barn.
Cochran County									
Cochran County 1 S Lehman	12	1549CST			0	0		40K	Hail(0.88)
Cochran County Morton	12	1606CST			0	0			Hail(1.00)
Castro County									
Castro County 2 NE Dimmitt	12	1615CST			0	0			Thunderstorm Wind (G54) ^M The West Texas Mesonet station northeast of town measured 62 mph wind gusts.

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>TEXAS, South Panhandle</u>									
Castro County									
2 N Dimmitt to Dimmitt	12	1625CST			0	0	10K		Thunderstorm Wind
Strong thunderstorm winds damaged the roof of city hall, snapped power poles, and blew down trees and power lines.									
Swisher County									
Happy	12	1700CST			0	0			Thunderstorm Wind (G52)
An off-duty NWS employee estimated 60 mph thunderstorm wind gusts.									
Terry County									
3 N Johnson	12	1743CST			0	0	100K		Hail(1.00)
Terry County									
3 N Johnson	12	1743CST			0	0			Thunderstorm Wind (G61)
Law enforcement officials estimated 70 mph thunderstorm wind gusts.									
Briscoe County									
7 E Silvertown	12	1815CST			0	0			Thunderstorm Wind (G54) ^M
The West Texas Mesonet station east of town measured 62 mph thunderstorm wind gusts.									
Terry County									
Gomez	12	1815CST			0	0	1.5M		Hail(1.00)
Quarter size hail destroyed at least 10,000 acres of cotton.									
Terry County									
Brownfield	12	1818CST			0	0			Hail(1.00)
Hall County									
Memphis	13	0820CST			0	0			Hail(0.75)
Lynn County									
6 E New Moore	13	1504CST			0	0			Hail(1.00)
An NWS cooperative observer reported quarter size hail in Wells.									
Lynn County									
1 N Tahoka	13	1614CST			0	0	75K		Hail(0.88)
Lynn County									
Tahoka	13	1631CST			0	0			Hail(0.88)
Lynn County									
4 N Odonnell	13	1645CST			0	0	100K		Hail(1.00)
Lynn County									
1 N Odonnell	13	1655CST			0	0			Thunderstorm Wind (G53) ^M
The West Texas Mesonet station north of town measured 61 mph wind gusts.									
Hall County									
7 N Lakeview	15	1930CST			0	0	2K		Thunderstorm Wind (G57)
Strong thunderstorm winds in excess of 60 mph blew down power lines and power poles.									
Hall County									
Newlin	15	1940CST			0	0	5K		Thunderstorm Wind
Strong thunderstorm winds destroyed several barns and blew down trees and power lines.									
Hall County									
Memphis	15	1944CST			0	0	2K		Thunderstorm Wind (G57)
The Memphis Fire Department reported power poles blown down throughout town with estimated 60 to 70 mph wind gusts.									
Hall County									
11 W Estelline	15	1945CST			0	0	50K		Hail(1.75)
Golfball size hail was reported by the public.									
Hall County									
11 W Estelline	15	1945CST			0	0			Thunderstorm Wind (G52)
Trees were uprooted and blown down by strong thunderstorm winds.									
Briscoe County									
1 N Quitaque	15	1950CST			0	0	2K		Thunderstorm Wind

Storm Data and Unusual Weather Phenomena

June 2002

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

Strong thunderstorm winds snapped power poles and blew down large tree limbs and power lines.

Childress County

Carey	15	1955CST			0	0	2K		Thunderstorm Wind
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A number of power poles were blown down.

Childress County

(Cds)Childress Arpt	15	1958CST 2001CST			0	0	250K		Thunderstorm Wind (G84) ^M
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The Childress ASOS unit measured sustained wind speeds in excess of 60 mph for several minutes prior to a widespread power outage that occurred in the area at 2001 CST. The peak gust measured at the site prior to the outage was 97 mph. Major damage resulted from these winds on the western side of Childress. A hangar at the airport sustained major damage, many homes were damaged, and numerous trees and power poles were snapped.

Hall County

12 E Turkey	15	2005CST			0	0	10K		Thunderstorm Wind (G61)
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Strong thunderstorm winds estimated at 60 to 80 mph blew down a number of power poles, power lines, and trees.

Childress County

Childress	15	2020CST 2030CST			0	0			Hail(0.75)
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Motley County

Northfield	15	2020CST 2030CST			0	0			Hail(0.88)
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Cottle County

10 E Paducah	15	2026CST			0	0	5K		Thunderstorm Wind
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A tractor trailer was blown over by strong thunderstorm winds.

Cottle County

Paducah	15	2040CST			0	0			Thunderstorm Wind (G61)
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Storm spotters associated with the Paducah Fire Department estimated 70 mph wind gusts in town.

King County

Guthrie	15	2110CST			0	0			Thunderstorm Wind (G52)
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Law enforcement officials estimated 60 mph wind gusts in town.

Cottle County

Cee Vee	15	2120CST			0	0			Hail(0.75)
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Cottle County

Cee Vee	15	2120CST			0	0	2K		Thunderstorm Wind
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Strong thunderstorm winds blew down power lines, power poles, and trees.

Cottle County

Swearingen	15	2120CST			0	0			Thunderstorm Wind (G57)
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Strong thunderstorm winds estimated at 60 to 70 mph were reported at Portwood Ranch.

Floyd County

Floydada	15	2200CST 2220CST			0	0	50K		Hail(1.75)
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Law enforcement officials reported golfball size hail.

Floyd County

2 NE Floydada	15	2215CST			0	0			Thunderstorm Wind (G50) ^M
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The West Texas Mesonet station northeast of town measured 58 mph wind gusts.

TXZ033>035-040>042

Cochran - Hockley - Lubbock - Terry - Lynn - Garza	15	2225CST			0	0			High Wind (G74) ^M
	16	0000CST							

An outflow boundary from severe thunderstorms over the northern and eastern South Plains surged to the west and south into the western and southern South Plains. Pressure rises as this boundary went through a given point were on the order of 4mb/hour. Sustained winds behind the boundary were 40 to 50 mph. Wind gusts to 85 mph, 75 mph, and 64 mph, were measured by the West Texas Mesonet stations located near Graham, Reese Center, and Levelland, respectively.

Dickens County

5 NW Mc Adoo	15	2231CST			0	0	50K		Hail(1.75)
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The Dickens County Sheriff's office reported golfball size hail.

Storm Data and Unusual Weather Phenomena

June 2002

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

Crosby County

10 S Crosbyton	15	2240CST			0	0			Thunderstorm Wind (G50) ^M The West Texas Mesonet station 6 miles northwest of White River Lake measured 58 mph thunderstorm wind gusts.
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Dickens County

5 W Dickens	15	2245CST 2250CST			0	0	25K		Hail(1.25)
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King County

Guthrie	15	2250CST			0	0			Hail(0.75)
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Dickens County

Dickens	15	2254CST			0	0			Hail(1.00)
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Dickens County

Spur	15	2300CST			0	0			Hail(0.75)
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Stonewall County

Aspermont	15	2300CST			0	0	2K		Thunderstorm Wind Strong thunderstorm winds destroyed a storage shed and blew the debris onto the road.
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Kent County

Jayton	15	2325CST			0	0	50K		Hail(1.75) The Kent County Sheriff's office reported golfball size hail.
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Lubbock County

Lubbock	26	2342CST			0	0			Thunderstorm Wind (G55) ^M A 63 mph thunderstorm wind gust was measured at the NWS forecast office on the south side of town.
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Lubbock County

Lubbock	26	2346CST			0	0			Thunderstorm Wind (G51) ^M The KCBD television station on the southeast side of town measured a 59 mph wind gust.
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Lynn County

1 N Odonnell	27	0005CST			0	0			Thunderstorm Wind (G51) ^M The West Texas Mesonet station north of town measured a 59 mph wind gust.
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Lynn County

3 NE Tahoka	27	0010CST			0	0			Thunderstorm Wind (G57) ^M The West Texas Mesonet station northeast of town measured a 65 mph wind gust.
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TEXAS, Southeast

Jefferson County

Countywide	27	0300CST 1000CST			0	0	5K		Urban/Sml Stream Fld
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Orange County

Countywide	27	0300CST 1000CST			0	0	5K		Urban/Sml Stream Fld
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Between three and six inches of rain fell in a few hours, resulting in street flooding of the Orange and Beaumont areas.

TEXAS, West

Pecos County

Ft Stockton	03	1753CST			0	0	0	0	Thunderstorm Wind (G50) ^M A severe thunderstorm wind gust to 58 MPH was recorded by the Fort Stockton ASOS.
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Terrell County

5 NNW Sanderson to 1 W Sanderson	04	1540CST 1555CST			0	0	0	0	Hail(0.75)
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Pecos County

25 ESE Ft Stockton	04	1730CST			0	0	0	0	Flash Flood The Texas Department of Transportation relayed a report of high water covering FM2023.
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Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
TEXAS, West									
Gaines County 2 N Seminole to Seminole	08	1725CST			0	0	100K	0	Thunderstorm Wind (G76)^M
	The Texas Mesonet site at Seminole measured a severe thunderstorm wind gust of 87 MPH. The local emergency manager and the local newspaper reported damage in the city of Seminole. Several power poles were blown down. In addition...minor to moderate structural damage was reported to a few buildings. Reports of tree damage were numerous.								
Gaines County 2 N Seminole	08	1745CST			0	0	0	0	Thunderstorm Wind (G54)^M
	Measured by the Texas Mesonet.								
Gaines County 15 NE Seminole	08	1755CST			0	0	20K	0	Thunderstorm Wind (G61)
	Thunderstorm winds destroyed multiple irrigation systems.								
Martin County 5 W Tarzan	08	2050CST			0	0	0	0	Thunderstorm Wind (G61)
	Thunderstorm winds broke large limbs out of mesquite trees and blew them across Highway 176. Severe thunderstorms developed across the northern Permian Basin during the afternoon of the 8th. These high based storms resulted in very strong and damaging winds. The Texas Mesonet recorded a gust to 87 mph near Seminole. The Seminole newspaper reported winds over 100 mph in parts of the county...however...the details of the report could not be confirmed.								
Pecos County Belding	09	1540CST			0	0	40K	0	Thunderstorm Wind (G61)
	Local law officials reported that severe thunderstorm winds blew down six power poles, along with destroying half of the roof on a residence.								
Gaines County 6 NW Seminole	09	1718CST			0	0	0	0	Thunderstorm Wind (G52)
	Reported by the fire department at the intersection of Texas Highway 214 and County Road 208.								
Gaines County 2 N Seminole	09	1725CST			0	0	0	0	Thunderstorm Wind (G67)^M
	Severe thunderstorm wind gust recorded by the Texas Mesonet.								
Brewster County Marathon	09	2030CST 2045CST			0	0	45K	0	Thunderstorm Wind (G66)
	Severe thunderstorm winds resulted in the downing of three power poles, and the roofs being blown off of three trailer houses.								
Brewster County Marathon	09	2040CST 2045CST			0	0	0	0	Hail(1.75)
	Dime to golfball size hail was reported by the public. Severe thunderstorms over the western Permian Basin and the Big Bend resulted in reports of large hail and damaging winds. Roof damage was reported to structures, and several power poles were blown down. In the Big Bend, hail to the size of golfballs was reported.								
Presidio County 15 S Marfa	10	0400CST 0500CST			0	0	0	0	Flash Flood
	Local officials reported that Highway 67 was closed due to high water.								
Presidio County 15 S Marfa	10	0700CST 0900CST			0	0	20K	0	Flash Flood
	A local radio station reported that two vehicles were stranded in high water which resulted from flash flooding on Highway 67.								
Brewster County 9 E Alpine	10	1800CST 2100CST			0	0	0	0	Flash Flood
	Local officials reported that high water covered the intersection of Highways 90 and 67 east of Alpine.								
Presidio County 12 WNW Shafter	10 11	2200CST 0400CST			0	0	0	0	Flash Flood
	A local rancher reported that a farm road was washed out by flash flooding. Flash flooding resulted from persistent heavy thunderstorms over the Big Bend and far southwest Texas. Flash flooding remained a								

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>TEXAS, West</u>									
threat from the early morning hours through the remainder of the day. At least two motorists stalled their vehicles in high water south of the community of Marfa around sunrise.									
Brewster County									
Panther Junction	11	1915CST			0	0	0	0	Hail(1.75)
									Big Bend National Park rangers reported golfball size hail.
Winkler County									
Kermit	13	1520CST			0	0	0	0	Hail(1.75)
Dawson County									
1 S Lamesa	13	1540CST			0	0	10K	0	Thunderstorm Wind (G61)
									The public reported numerous powerlines blown down.
Dawson County									
Welch	13	1545CST 1600CST			0	0	0	0	Hail(1.50)
Dawson County									
15 SE Lamesa	13	1615CST			0	0	150K	0	Thunderstorm Wind (G65)
									Reports indicated that several houses lost roofs and barns were destroyed. In addition...a couple of semi trucks were blown over on Highway 87.
Martin County									
6 N Stanton to Stanton	13	1645CST 1651CST			0	0	75K	0	Thunderstorm Wind (G61)
									Multiple reports of 70 mph thunderstorm winds. Damage reported in Stanton included large trees uprooted, roofs lost on three structures, and a large barn was damaged.
Ward County									
Pyote	13	1645CST			0	0	0	0	Hail(1.25)
Midland County									
8 S Midland	13	1717CST			0	0	0	0	Thunderstorm Wind (G52)
									Reported at the intersection of Highways 1213 and 349.
Pecos County									
10 N Ft Stockton	13	1718CST			0	0	0	0	Hail(1.00)
Howard County									
12 SW Big Spring	13	1730CST			0	0	30K	0	Thunderstorm Wind (G61)
									Spotters reported a semi truck blown over on Interstate 20.
Howard County									
12 W Big Spring	13	1730CST			0	0	0	0	Thunderstorm Wind (G61)
Pecos County									
8 N Ft Stockton	13	1743CST			0	0	0	0	Hail(0.75)
Pecos County									
6 N Ft Stockton	13	1755CST 1930CST			0	0	0	0	Flash Flood
									Law officials reported water covering Highway 18.
Pecos County									
6 N Ft Stockton	13	1755CST 1930CST			0	0	0	0	Flash Flood
									Law officials reported that flash flooding continued to result in high water covering Highway 18.
Howard County									
12 W Big Spring	13	1800CST 1900CST			0	0	0	0	Flash Flood
									Spotters reported water covering Highway 176.
Martin County									
8 E Lenorah	13	1800CST 1900CST			0	0	0	0	Flash Flood
									Law official reported high water covering Highway 176.
Glasscock County									
Garden City	13	1801CST			0	0	0	0	Thunderstorm Wind (G52)

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>TEXAS, West</u>									
Pecos County									
10 W Ft Stockton	13	1805CST			0	0	0	0	Thunderstorm Wind (G52)
Glasscock County									
St Lawrence	13	1820CST			0	0	80K	0	Thunderstorm Wind (G61) Law officials reported approximately twenty power poles blown down by severe thunderstorm winds.
Pecos County									
Ft Stockton	13	1820CST			0	0	400K	0	Thunderstorm Wind (G65) The local newspaper and the Red Cross reported significant roof damage to fourteen homes and a funeral home. In addition...numerous reports of downed power poles and tree damage were received.
Upton County									
Midkiff	13	1850CST			0	0	400K	0	Thunderstorm Wind (G65) Spotters reported approximately 100 power poles blown down by severe thunderstorm winds in and around Midkiff.
Upton County									
3 NW Rankin	13	2000CST 2100CST			0	0	0	0	Flash Flood Spotters reported water covering Highway 329. June 13th was a very active severe weather day across West Texas. Although intense isolated storms produced large hail up to the size of golfballs...the primary mode of severe weather was damaging winds. Organized and long lived macrobursts were observed. Due to widespread nature of damage resulting from this event...estimated dollar amounts of damage are over one million dollars
Pecos County									
6 N Ft Stockton	13	1755CST 1900CST			0	0	0	0	Flash Flood Local officials reported high water covering Highway 18.
Howard County									
12 W Big Spring	13	1802CST 1825CST			0	0	0	0	Flash Flood Spotters reported water covering Highway 176 on the Howard and Martin County line.
Martin County									
10 E Lenorah	13	1802CST 1825CST			0	0	0	0	Flash Flood Spotters reported water covering Highway 176 on the Howard and Martin County line.
Upton County									
3 NW Rankin	13	2000CST 2030CST			0	0	0	0	Flash Flood Spotters reported water covering Highway 329.
Ward County									
Barstow	19	1615CST 1630CST			0	0	0	0	Hail(1.75) Hail up to the size of golfballs fell in Barstow for 15 minutes.
Brewster County									
Alpine	19	1640CST 1710CST			0	0	0	0	Hail(0.75)
Brewster County									
Alpine	19	1655CST 1700CST			0	0	0	0	Hail(0.75)
Brewster County									
14 N Study Butte	19	1837CST			0	0	0	0	Hail(0.88)
Brewster County									
12 W Panther Junction	19	1900CST 2000CST			0	0	0	0	Thunderstorm Wind (G52) Wind speeds around 60 mph persisted for almost one hour. Sufficient daytime heating and atmospheric moisture led to the development of scattered thunderstorms east of a dry line from the Big Bend Region into the western portions of the Texas Permian Basin, as well as over portions of southeast New Mexico.
Jeff Davis County									
Ft Davis	20	1324CST 1345CST			0	0	0	0	Hail(1.50)

Storm Data and Unusual Weather Phenomena

June 2002

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

TEXAS, West

Hail ranging from the size of dimes to ping pong balls was reported in the city of Fort Davis.

Culberson County
20 S Pine Spgs

20 1541CST 0 0 0 0 Hail(1.50)

Ping pong ball size hail was reported by the National Park Service 15 miles south of the intersection of Highways 180 and 54 in western Culberson County.

Presidio County
Presidio

20 1755CST
1800CST 0 0 0 0 Hail(0.88)

Hail up to nickel size covered the ground in Presidio.

Presidio County
Presidio

20 1935CST
1950CST 0 0 100K 0 Flash Flood

The Texas Department of Transportation reported flash flooding resulting in high water in homes and businesses...as well as street flooding in the city of Presidio.

Presidio County
6 SE Presidio

20 2045CST
2145CST 0 0 0 0 Flash Flood

The Texas Department of Transportation reported 1.5 feet of water flooding FM170.

Culberson County
Van Horn

21 0038CST 0 0 0 0 Hail(0.88)

A severe thunderstorm developed over Culberson County just after midnight local time...resulting in nickel size hail in the city of Van Horn.

Numerous severe storms resulted in large hail and flash flooding across parts of southwest Texas on the 20th. The event persisted into the early morning hours of the 21st...when a severe storm produced large hail in Van Horn.

Gaines County
2 N Seminole

26 2330CST 0 0 0 0 Thunderstorm Wind (G50)^M

Dawson County
2 SE Lamesa

27 0020CST 0 0 0 0 Thunderstorm Wind (G50)^M

The Texas Mesonet measured two severe wind gusts in the northern Permian Basin from thunderstorms around midnight on the 26th.

TEXAS, Western North

Baylor County
4 W Red Spgs

04 1755CST 0 0 Hail(0.88)

Knox County
5 E Vera

04 1755CST 0 0 Hail(0.88)

Baylor County
1 W Westover

04 1900CST 0 0 0.01K Thunderstorm Wind

Large tree limbs were downed.

Clay County
2 E Bluegrove

04 2112CST 0 0 Hail(0.75)

Clay County
2 S Henrietta

04 2118CST 0 0 Hail(0.88)

Hail was reported near the intersection of FM 2847 and Highway 148.

Foard County
6 NW Crowell

15 2030CST 0 0 Hail(0.75)

Foard County
6 NW Crowell

15 2030CST 0 0 Thunderstorm Wind (G66)

Hardeman County
3 N Chillicothe

15 2035CST 0 0 Thunderstorm Wind (G52)

Wilbarger County
Oklaunion

15 2050CST 0 0 Thunderstorm Wind (G61)

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>TEXAS, Western North</u>									
Wilbarger County									
Harrold	15	2052CST			0	0			Thunderstorm Wind (G61)
Wichita County									
Burkburnett	15	2055CST			0	0	100K		Thunderstorm Wind (G80) ^M
A roof was partially blown off a business complex in the 100 block of Red River Expressway. One vehicle was crushed by the debris, and two others were damaged. A travel trailer was blown over on Vaughn Road. Several large trees were uprooted, blocking roads. Several storage buildings were destroyed, and several utility poles were snapped in half									
Wichita County									
Burkburnett	15	2058CST			0	0			Thunderstorm Wind (G56)
Wichita County									
Wichita Falls	15	2105CST			0	0			Thunderstorm Wind (G61)
Wichita County									
Iowa Park	15	2107CST			0	0			Thunderstorm Wind (G52)
Wichita County									
Wichita Falls	15	2108CST			0	0			Thunderstorm Wind (G57)
Wichita County									
Sheppard Afb	15	2111CST			0	0			Thunderstorm Wind (G72) ^M
Wichita County									
Wichita Falls	15	2111CST			0	0			Thunderstorm Wind (G56)
Knox County									
Knox City	15	2115CST			0	0	25K		Thunderstorm Wind
Numerous roofs were damaged.									
Knox County									
Munday	15	2115CST			0	0	0.50K		Thunderstorm Wind (G78)
Power lines were also downed.									
Archer County									
Holliday	15	2118CST			0	0	25K		Thunderstorm Wind
A mobile home was blown over.									
Wichita County									
Wichita Falls	15	2119CST			0	0			Thunderstorm Wind (G52)
Wilbarger County									
13 S Vernon	15	2120CST			0	0	0.01K		Thunderstorm Wind
Eight inch diameter tree limbs were downed.									
Archer County									
7 N Archer City	15	2128CST			0	0			Thunderstorm Wind (G57)
Baylor County									
Seymour	15	2130CST			0	0	2K		Thunderstorm Wind
Power poles were downed.									
Archer County									
Archer City	15	2131CST			0	0			Thunderstorm Wind (G61)
Archer County									
Archer City	15	2134CST			0	0			Thunderstorm Wind (G69)
Archer County									
Archer City	15	2137CST			0	0			Thunderstorm Wind (G78)
Clay County									
Henrietta	15	2145CST			0	0	20K		Thunderstorm Wind (G56)
An awning at the HISD building ripped loose and tore a hole in the roof. Debris landed on two vehicles in the parking lot.									
Knox County									
Knox City	15	2245CST			0	0			Hail(0.88)
A line of severe thunderstorms moved rapidly through western and southwest Oklahoma during the evening, before moving through									

Storm Data and Unusual Weather Phenomena

June 2002

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

all of western north Texas. The most severe thunderstorms affected areas from near Childress and Quanah, south-southeastward through Crowell, Benjamin, Munday, Seymour, and Archer City. Wind speeds between 80-100 mph were measured or estimated in these areas, with widespread damage occurring. Some hail was also reported.

UTAH, East

UTZ022>025-027>029 Southeast Utah - Eastern Uinta Mountains - Eastern Uinta Basin - Tavaputs Plateau - Grand Flat And Arches - La Sal & Abajo Mountains - Canyonlands / Natural Bridges

01	0000MST								
30	2359MST			0	0				Drought

Extreme to exceptional drought conditions prevailed across eastern Utah in June, with a negative impact on agricultural interests and the recreation industry. Most seasonal streams had become dry by early June. The persistent drought increased the potential for major wildfires. See the July 2002 Storm Data publication for a continuation report on the drought in eastern Utah.

Grand County

12 NW Thompson to 17 NW Thompson	20	1500MST							
	30	2359MST			0	0			Wild/Forest Fire

Lightning ignited a wildfire in a remote area on the Tavaputs Plateau. The fire continued beyond the end of the month. This wildfire was named the Rattle Fire, and was later group named with other wildfires to be known as the Rattle Complex. See the July 2002 Storm Data publication for a continuation of the Rattle Fire report.

Grand County

19 NE Thompson to 21 NE Thompson	22	1500MST							
	30	2359MST			0	0			Wild/Forest Fire

Lightning sparked a forest fire on the Tavaputs Plateau. This wildfire was named the Diamond Fire. On 06/24/02, this fire was included with the Rattle Fire to be known as the Rattle Fire Complex. The Diamond Fire persisted beyond the month of June. See the July 2002 Storm Data publication for a continuation of the Diamond Fire report.

Grand County

17 NNW Thompson to 22 N Thompson	27	1500MST							
	30	2359MST			0	0			Wild/Forest Fire

Lightning ignited a wildfire on the Tavaputs Plateau which burned beyond the end of the month. The fire was named the Black Canyon Fire, and was included with the Rattle Fire and the Diamond Fire to be known as the Rattle Fire Complex. See the July 2002 Storm Data publication for a continuation of the Black Canyon wildfire report.

UTAH, West and Central

Millard County

Delta	01	1215MST				2K	2K	Thunderstorm Wind (G61) ^M
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Juab County

Nephi	01	1307MST				5K	0	Thunderstorm Wind (G63) ^M
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Tooele County

Vernon	01	1315MST				0	0	Thunderstorm Wind (G74) ^M
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Utah County

Payson to Provo	01	1345MST 1347MST				0	0	Thunderstorm Wind (G51) ^M
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Salt Lake County

Riverton to Salt Lake City	01	1356MST 1410MST				5K	5K	Thunderstorm Wind (G62)
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Wasatch County

Heber City	01	1415MST				1K	2K	Thunderstorm Wind (G60)
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Davis County

Kaysville	01	1418MST				2K	1K	Thunderstorm Wind (G56)
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Weber County

South Ogden	01	1425MST				1K	1K	Thunderstorm Wind (G63) ^M
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Severe thunderstorms brought strong winds but little rain to portions of Northern and Central Utah. Tree and shingle damage were the rule across the Wasatch Front and West Central deserts. Wind gusts from 60 to 75 mph (52 to 65 kts) were common with the storms, with a peak gust of 85 mph (74 kts) reported at Vernon Hill.

Storm Data and Unusual Weather Phenomena

June 2002

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

UTAH, West and Central

Box Elder County
Central Portion to
Tremonton

02	1300MST 1420MST				0	0	2K	2K	Thunderstorm Wind (G70) ^M
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Tooele County
Tooele

02	1300MST 1330MST				0	0	0	0	Thunderstorm Wind (G59) ^M
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Cache County
Smithfield

02	1440MST 1450MST				0	0	1K	1K	Thunderstorm Wind (G60)
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Duchesne County
Duchesne

02	1540MST 1600MST				0	0	3K	2K	Thunderstorm Wind (G65)
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Severe thunderstorm wind gusts knocked down power lines and blew over trees.

UTZ014-016-019

Sanpete/Sevier Valleys - Southwest Utah/Cedar City/Milford - Utah'S Dixie And Zion National Park

08	1400MST 1900MST				0	0	0	0	High Wind (G68) ^M
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A dry cold front brought strong and gusty winds to portions of central and southern Utah.

Sevier County
Salina

21	1216MST				0	0	0	0	Dry Microburst
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Strong microburst winds moved through Salina early in the afternoon.

Carbon County
Price

21	1840MST 1900MST				0	0	300K	0	Thunderstorm Wind (G50) ^M
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Severe thunderstorm winds hit the area near Price, with most damage reported in Miller Creek. The strongest recorded wind was 58 mph (50 kts) at the Price Airport. However, 4 miles to the south in Miller Creek, the winds lifted a mobile home off its foundation and destroyed the structure. A roof was torn off another home and onto another, causing heavy damage. A horse was killed by flying debris. A total of 12 houses were damaged, along with a barn and a corral.

Utah County
Pleasant Grove

21	1857MST 1900MST				1	0	0	0	Dry Microburst
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A strong microburst wind resulted in one death in Utah County. The fatality occurred at a baseball park in Pleasant Grove, when a gust of wind blew a 250-pound portable pitching mound over, striking the 13-year-old boy in the head

M13BF

VERMONT, North and Central

Franklin County
North Portion

05 06	1846EST 1230EST				0	0	25K		Flash Flood
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Low pressure moved across extreme southern Canada. The associated cold front triggered locally heavy thunderstorms during the late afternoon and evening hours across northwest Vermont, especially across the northern half of Franklin county. Flash flooding was reported in an area from the Vermont towns of St Albans to Enosburg to Richford and Montgomery. Road washouts were reported along portions of Route 58 near Montgomery Center. Also, some basement flooding was reported as small streams exceeded their banks.

VTZ002>003-006>007

Franklin - Orleans - Lamoille - Caledonia

12 13	0300EST 1600EST				0	0	95K		Flood
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A frontal boundary stalled across portions of New York and New England and helped to focus heavy rainfall across this area.

Storm Data and Unusual Weather Phenomena

June 2002

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

Convective precipitation moved from northwest to southeast across the area from Canada. Rainfall from midday on June 11th through midday June 12th averaged 2 to 4 inches with locally higher amounts in the mountainous areas. Countywide flooding of small streams and fields started during the early morning hours of June 12th and continued into the evening of the 12th. A few minor road washouts and a few minor mudslides were reported. This was followed by continued flooding of main stem rivers through late afternoon and evening of June 13th. These main stem rivers were the Passumpsic, Lamoille and Missisquoi Rivers. Flooding of the Passumpsic River resulted in significant flooding, especially in and around the Lyndonville area.

VTZ004

Essex

12	0830EST 1530EST				0	0	10K		Flood
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A frontal boundary stalled across portions of New York and New England and helped to focus heavy rainfall across this area. Convective precipitation moved from northwest to southeast across the area from Canada. Rainfall from midday on June 11th through the early afternoon of June 12th averaged 2 to 4 inches, with locally higher amounts in the mountainous areas. Countywide small stream and field flooding started around mid-morning hours of June 12th and continued into the afternoon of the 12th. In Essex county, flooding isolated Maidstone Lake Park for a short time.

VTZ005

Chittenden

12	1100EST 1530EST				0	0	5K		Flood
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A frontal boundary stalled across portions of New York and New England and helped to focus heavy rainfall across this area. Convective precipitation moved from northwest to southeast across the area from Canada. Rainfall from midday on June 11th through the early afternoon of June 12th averaged 2 to 4 inches, with locally higher amounts in the mountainous areas. some flooding of small streams and fields started in the late morning and continued into the mid afternoon hours of June 12th.

Grand Isle County

Grand Isle

23	1800EST				0	0	1K		Thunderstorm Wind
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Grand Isle County

North Hero

23	1800EST 1802EST				0	0			Thunderstorm Wind (G52)
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A cold front moved southeast from Canada, and triggered thunderstorms during the evening hours. A few storms reached severe criteria. Thunderstorms in North Hero, VT resulted in wind gust to 60 mph (52 kts) while thunderstorm winds blew down trees in the town of Grand Isle, VT.

Franklin County

St Albans

23	1812EST 1814EST				0	0	1K		Thunderstorm Wind
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Franklin County

Fairfax

23	1823EST 1825EST				0	0	1K		Thunderstorm Wind
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A cold front moved southeast from Canada, and triggered thunderstorms during the evening hours. A few storms reached severe criteria. Thunderstorms blew down trees in the Vermont localities of St Albans and Fairfax.

Orleans County

Newport

23	1830EST 1833EST				0	0	1K		Thunderstorm Wind
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Orleans County

Coventry

23	1836EST 1838EST				0	0	1K		Thunderstorm Wind
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Orleans County

Morgan

23	1841EST 1843EST				0	0	1K		Thunderstorm Wind
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A cold front moved southeast from Canada, and triggered thunderstorms during the evening hours. A few storms reached severe criteria. Thunderstorms blew down trees in the Vermont localities of Newport, Coventry and Morgan.

Chittenden County

Essex Center

23	1855EST				0	0	1K		Thunderstorm Wind
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Chittenden County

Jericho

23	1900EST				0	0	1K		Thunderstorm Wind
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Chittenden County

Bolton

23	1905EST				0	0	1K		Thunderstorm Wind
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A cold front moved southeast from Canada, and triggered thunderstorms during the evening hours. A few storms reached severe criteria. Thunderstorms blew down trees in the towns of Essex, Jericho and Bolton.

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>VERMONT, North and Central</u>									
Essex County									
Bloomfield	23	1855EST 1905EST			0	0	1K		Thunderstorm Wind
A cold front moved southeast from Canada, and triggered thunderstorms during the evening hours. A few storms reached severe criteria. Thunderstorms blew down trees in the town of bloomfield.									
Lamoille County									
Morrisville	23	1856EST 1902EST			0	0	1K		Thunderstorm Wind
A cold front moved southeast from Canada, and triggered thunderstorms during the evening hours. A few storms reached severe criteria. Thunderstorms blew down trees in Morrisville, VT.									
Caledonia County									
Hardwick	23	1915EST			0	0	5K		Thunderstorm Wind
Caledonia County									
Walden	23	1915EST			0	0	5K		Thunderstorm Wind
Caledonia County									
St Johnsbury	23	1920EST			0	0	5K		Thunderstorm Wind
A cold front moved southeast from Canada, and triggered thunderstorms during the evening hours. A few storms reached severe criteria. Thunderstorms blew down trees and power lines in the towns of Hardwick, walden and St Johnsbury.									
Washington County									
Berlin	23	1927EST			0	0	1K		Thunderstorm Wind
Washington County									
Barre	23	1930EST			0	0	1K		Thunderstorm Wind
Washington County									
Warren	23	1935EST			0	0	1K		Thunderstorm Wind
A cold front moved southeast from Canada, and triggered thunderstorms during the evening hours. A few storms reached severe criteria. Thunderstorms blew down trees in the Vermont towns of Berlin, Barre and Warren.									
Orange County									
Randolph	23	2010EST			0	0	1K		Thunderstorm Wind
A cold front moved southeast from Canada, and triggered thunderstorms during the evening hours. A few storms reached severe criteria. Thunderstorms blew down trees in the Vermont town of Randolph.									
Windsor County									
Barnard	23	2040EST			0	0	1K		Thunderstorm Wind
A cold front moved southeast from Canada, and triggered thunderstorms during the evening hours. A few storms reached severe criteria. Thunderstorms blew down trees and power lines in the Vermont town of Barnard.									
Chittenden County									
Colchester	26	1425EST			0	0	5K		Thunderstorm Wind
Chittenden County									
Burlington	26	1430EST 1440EST			0	0	25K		Thunderstorm Wind
Chittenden County									
Essex Jct	26	1435EST			0	0	5K		Thunderstorm Wind
Chittenden County									
Shelburne	26	1435EST 1445EST			0	0	25K		Thunderstorm Wind
A warm front moved northeast across the region, followed by a warm and humid airmass. Scattered thunderstorms developed during the afternoon of June 26th, and a few of them reached severe criteria. A cluster of thunderstorms in Chittenden county resulted in numerous downed trees and power lines in the Vermont locations of Burlington, Shelburne, Colchester and Essex Junction.									
Lamoille County									
Morristown	26	1500EST			0	0	50K		Thunderstorm Wind
A warm front moved northeast across the region, followed by a warm and humid airmass. Scattered thunderstorms developed during the afternoon of June 26th, and a few of them reached severe criteria. Thunderstorms in Lamoille county resulted in numerous downed trees and power lines in Morristown. In addition, a tree was blown onto a house with structural damage reported.									
Orleans County									
Albany	26	1500EST			0	0	5K		Thunderstorm Wind

Storm Data and Unusual Weather Phenomena

June 2002

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

A warm front moved northeast across the region, followed by a warm and humid airmass. Scattered thunderstorms developed during the afternoon of June 26th, and a few of them reached severe criteria. A thunderstorm in Orleans county resulted in downed trees in the town of Albany.

Orange County Williamstown

26 1530EST 0 0 10K Thunderstorm Wind

A warm front moved northeast across the region, followed by a warm and humid airmass. Scattered thunderstorms developed during the afternoon of June 26th, and a few of them reached severe criteria. Thunderstorms moved across northern Orange county with numerous trees and power lines blown down in Williamstown.

Caledonia County East Burke

26 1550EST 0 0 5K Thunderstorm Wind

Caledonia County Lyndonville

**26 1550EST
1555EST 0 0 5K Thunderstorm Wind**

A warm front moved northeast across the region, followed by a warm and humid airmass. Scattered thunderstorms developed during the afternoon of June 26th, and a few of them reached severe criteria. Thunderstorms in Caledonia county resulted in numerous downed trees and power lines in the Vermont towns Lyndonville and East Burke.

Addison County Ripton

26 1630EST 0 0 5K Thunderstorm Wind

A warm front moved northeast across the region, followed by a warm and humid airmass. Scattered thunderstorms developed during the afternoon of June 26th, and a few of them reached severe criteria. Thunderstorms moved across Addison county, with trees down in the town of Ripton.

Windsor County Springfield

27 2030EST 0 0 50K Lightning

A cold front approached the region during the late afternoon and evening from Canada. Showers and thunderstorms developed during the afternoon hours and continued into the evening. Lightning struck and destroyed (fire) a barn and part of an old farmhouse in the Springfield, Vt area.

Caledonia County Walden

28 0430EST 0 0 10K Lightning

A cold front moved slowly through the area on the 28th of June. Early morning thunderstorms in the Walden area resulted in lightning strikes with power outages to about 1200 customers.

VERMONT, South

Bennington County North Bennington

05 2010EST 0.2 100 0 0 27K Tornado (F1)

Bennington County Pownal

05 2030EST 0 0 5K Thunderstorm Wind

Windham County Windham

05 2045EST 0.1 150 0 0 75K Tornado (F2)

Bennington County North Bennington

05 2300EST 0 0 1K Lightning

Thunderstorms, that initially developed in New York, and produced a macroburst in extreme eastern New York, moved into southern Vermont during the evening of the 5th. The storms spawned two tornados, one in Woodford Hollow, Bennington County and the other one near Wilmington, Windham County. The first touchdown, one mile north from Route 9, produced a swath 150 yards wide and a path length of one half mile. Many trees, as large as a foot in diameter, were either knocked over or ripped apart. Trees also fell on three automobiles. This tornado was assessed to be a F1 intensity, with winds estimated between 80 and 100 mph. The second tornado, 4 miles northeast of Wilmington, was even stronger despite a narrower swath of 50 yards. The path length was also about a half mile. This tornado, in addition to blowing some trees down, mostly destroyed a sturdy house on Haynes Road. The garage of the house was blown off its foundation. The family room was ripped off the end of the house, nearly killing the owner. Luckily the owner escaped without any injuries. However, antiques in the attic of the home, as well as numerous other possessions from throughout the house, were spread out for miles downwind, and a propane tank was missing. The winds with this tornado were estimated between 125 and 150 mph. Non-tornadic thunderstorm winds blew some trees down in the town of Pownal. Lightning struck a home in North Bennington causing a very small fire with minimal damage to the structure of the house.

Bennington County North Bennington

27 1651EST 0 0 Hail(1.00)

Storm Data and Unusual Weather Phenomena

June 2002

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

Windham County

Brattleboro	27	1730EST			0	0	10K		Thunderstorm Wind
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Thunderstorms, developing ahead of a cold front, moved into southern Vermont during the late afternoon and early evening of June 27. One cell became severe as it deposited one inch hail in the town of North Bennington, Bennington County. The same storm blew down trees in the town of Brattleboro in Windham County.

VIRGIN ISLANDS

NONE REPORTED.

VIRGINIA, East

Surry County

Surry	01	1700EST			0	0	2K		Thunderstorm Wind
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Damage to roof of Elk's Lodge.

Norfolk (C)

Norfolk	01	1703EST			0	0			Hail(0.75)
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Virginia Beach (C)

Virginia Beach	01	1720EST 1725EST			0	0			Hail(1.75)
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Dime to Golfball size hail between Little Creek and Thoroughgood sections, and west end of Virginia Beach oceanfront.

Fluvanna County

Central Portion	04	1920EST			0	0	3K		Thunderstorm Wind
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Large trees down on house.

Fluvanna County

Central Plains	04	1925EST			0	0			Hail(1.00)
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Fluvanna County

Central Plains	04	1925EST			0	0	2K		Thunderstorm Wind
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Large trees down at Route 6 and 640.

Cumberland County

Cartersville	04	1950EST			0	0	1K		Thunderstorm Wind
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Large tree down on Route 45.

Fluvanna County

Palmyra	06	1350EST			0	0			Hail(1.75)
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Fluvanna County

Palmyra	06	1350EST			0	0	2K		Thunderstorm Wind
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Trees down.

Louisa County

5 S Louisa	06	1350EST			0	0			Hail(1.75)
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Louisa County

5 S Louisa	06	1350EST			0	0	2K		Thunderstorm Wind
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Numerous trees down.

Louisa County

Countywide	06	1400EST			0	0	2K		Thunderstorm Wind
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Trees down.

Amelia County

Morven	06	1430EST			0	0			Hail(1.75)
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Lunenburg County

Countywide	06	1500EST			0	0	2K		Thunderstorm Wind
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Numerous trees down.

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>VIRGINIA, East</u>									
Henrico County									
Varina	06	1600EST			0	0	2K		Thunderstorm Wind
									Large trees down.
Petersburg (C)									
Petersburg	06	1615EST			0	0	2K		Thunderstorm Wind
									Large trees down.
New Kent County									
New Kent to Lanexa	06	1630EST			0	0	2K		Thunderstorm Wind
									Trees down. Trees down in Providence Forge also.
James City County									
Toano	06	1640EST			0	0	2K		Thunderstorm Wind
									Trees down.
King And Queen County									
King & Queen Church	06	1640EST			0	0	2K		Thunderstorm Wind
									Numerous trees down on Route 631 near Courthouse. Power outages also.
Williamsburg (C)									
Williamsburg	06	1645EST			0	0	2K		Thunderstorm Wind
									Trees down.
York County									
Dare	06	1645EST			0	0	2K		Thunderstorm Wind
									Trees down.
Charles City (C)									
Charles City	06	1650EST			0	0	2K		Thunderstorm Wind
									Trees down.
Middlesex County									
Saluda to Hartfield	06	1656EST			0	0	2K		Thunderstorm Wind
									Trees down.
Gloucester County									
Countywide	06	1710EST			0	0	2K		Thunderstorm Wind
									Numerous trees down.
Lancaster County									
Kilmarnock	06	1715EST			0	0	2K		Thunderstorm Wind
									Trees and power lines down.
Northumberland County									
Heathsville	06	1715EST			0	0	2K		Thunderstorm Wind
									Trees down on Route 201.
Nottoway County									
Blackstone	06	1815EST			0	0	2K		Thunderstorm Wind
									Trees down.
Westmoreland County									
5 NW Montross	13	1400EST			0	0	2K		Thunderstorm Wind
									Trees down.
Westmoreland County									
Montross	13	1415EST			0	0			Hail(1.50)
Richmond County									
Warsaw	13	1425EST			0	0	2K		Thunderstorm Wind
									Trees down.
Richmond County									
Haynesville	13	1430EST			0	0	3K		Thunderstorm Wind
									Part of roof damaged.

Storm Data and Unusual Weather Phenomena

June 2002

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

Hampton (C)

Hampton	14	1845EST 1915EST			0	0			Flash Flood
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Numerous reports of street flooding. Water shooting out of manhole cover.

Newport News (C)

Newport News	14	1845EST 1915EST			0	0			Flash Flood
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Numerous reports of street flooding. Spotter reported 2.5 inches of rain in 45 minutes.

Westmoreland County

Countywide	18	1600EST 1800EST			0	0			Flash Flood
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Between 4 and 5 inches of rain fell within 2 hours. Many roads had high water due to the heavy rainfall.

VIRGINIA, Extreme Southwest

Washington County

Abingdon	01	1710EST			0	0	10K		Thunderstorm Wind
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Trees were reported down in Abingdon.

Bristol (C)

Bristol	02	1538EST			0	0			Hail(0.75)
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Dime sized hail reported in Bristol.

Washington County

Oak Grove	02	1541EST			0	0			Hail(0.75)
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Dime sized hail reported near the city of Bristol.

Washington County

Glade Spg	02	2030EST			0	0	15K		Thunderstorm Wind
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Trees and power lines reported down in the Glade Springs area.

VIRGINIA, North

Albemarle County

Crozet	04	1800EST			0	0			Hail(1.75)
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Golf ball sized hail dented over 100 cars.

Rockingham County

Mc Gaheysville	04	1800EST			0	0	3K		Lightning
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Lightning hit a communications tower on Massanutten Peak.

Rockingham County

Grottoes	04	1810EST			0	0	45K		Lightning
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A barn caught fire after being struck by lightning.

Albemarle County

Free Union	04	1815EST			0	0			Hail(4.50)
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Solfball sized hail fell.

Charlottesville (C)

Charlottesville	04	1820EST			0	0	1K		Thunderstorm Wind
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A few trees were downed.

Scattered thunderstorms moved through the central Shenandoah Valley and central foothills during the late afternoon and evening hours of the 6th. The storms contained medium to large sized hail and frequent lightning. In Augusta County, pea sized hail was reported in Mount Sydney. In Rockingham County, a communications tower on Massanutten Peak was damaged by lightning. Near Grottoes, a barn on Scots Ford Road burned to the ground after being struck by lightning. In Albemarle County, golf ball sized hail dented over 100 cars in Crozet.

Shenandoah County

Countywide	05	1445EST			0	0	5K		Thunderstorm Wind
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Trees were downed in seven locations.

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>VIRGINIA, North</u>									
Winchester (C)									
Winchester	05	1500EST			0	0	5K		Thunderstorm Wind
			Trees were downed on Apple Pie Ridge.						
Warren County									
Front Royal	05	1558EST			0	0			Hail(0.75)
			Dime sized hail fell.						
Rappahannock County									
Countywide	05	1600EST 1700EST			0	0	7K		Hail(1.75)
			Golfball sized hail damaged many vehicles.						
Rappahannock County									
East Portion	05	1600EST 1700EST			0	0	10K		Thunderstorm Wind
			Fourteen trees were downed and a shed was blown into a field.						
Rappahannock County									
1 N Flint Hill	05	1600EST 1700EST			0	0	6K		Thunderstorm Wind
			Six utility poles were snapped along Route 522.						
Warren County									
Countywide	05	1600EST			0	0	12K		Thunderstorm Wind
			Most of the county was without power after trees and power lines were downed.						
Clarke County									
Countywide	05	1645EST			0	0	5K		Thunderstorm Wind
			Trees were downed.						
Loudoun County									
Countywide	05	1700EST 1800EST			0	0	7K		Lightning
			A home in Sterling and Ashburn was damaged by lightning.						
Loudoun County									
Countywide	05	1715EST 1745EST			0	0	3K		Thunderstorm Wind
			Trees were downed.						
Fauquier County									
North Portion	05	1830EST			0	0	7K		Thunderstorm Wind
			Trees and power lines were downed.						
Fairfax County									
Chantilly	05	1844EST			0	0	2K		Thunderstorm Wind
			Trees were downed.						
Scattered thunderstorms moved through northern and central Shenandoah Valley, northern Virginia, the central foot hills, and central Piedmont during the late afternoon and evening of the 5th. In Albemarle County, hail was reported in Free Union. In Warren County, trees and power lines were down countywide resulting in numerous power outages. Dime sized hail was reported in Front Royal. In Nineveh, 2.33 inches of rain fell. In Rappahannock County, golfball sized hail dented many cars and trees were downed. One mile north of Flint Hill, 6 utility poles were knocked down on Route 522. In the eastern portion of the county, fourteen trees were blown over near the intersection of Route 637 and 522 and a 14 X 16 foot shed was blown into a field. In Shenandoah County, trees were downed in seven different locations. In Clarke County, trees were downed near Berryville on Route 622. In Loudoun County, thunderstorm winds knocked down trees in Philomont and downed branches in the eastern portion of the county. A home in Sterling and in Ashburn were struck by lightning. In the northern portion of Fauquier County, trees and power lines were downed. In Frederick County, trees were knocked down in the Apple Pie Ridge subdivision near Winchester. In Fairfax County, trees were downed in Chantilly.									
Madison County									
Countywide	06	1330EST			0	0	5K		Thunderstorm Wind
			Trees were downed.						
Culpeper County									
Culpeper	06	1345EST			0	0			Hail(0.75)
			Dime sized hail fell.						

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>VIRGINIA, North</u>									
Culpeper County									
Richardsville	06	1345EST			0	0			Hail(1.00)
			Quarter sized hail fell.						
Prince William County									
South Portion	06	1415EST			0	0			Hail(1.75)
			Golfball sized hail fell.						
Stafford County									
North Portion	06	1415EST			0	0			Hail(1.75)
			Golfball sized hail fell near the Prince William County line.						
Fauquier County									
Countywide	06	1425EST			0	0	8K		Thunderstorm Wind
			Trees were downed.						
Fairfax County									
Pohick	06	1430EST			0	0			Hail(1.00)
			Quarter sized hail fell.						
Winchester (C)									
Winchester	06	1547EST			0	0	3K		Thunderstorm Wind
			A tree was downed onto a house.						
Augusta County									
East Portion	06	1600EST 1610EST			0	0	28K		Thunderstorm Wind
			Trees were downed, a barn was damaged, and a twin silo was blown down.						
Waynesboro (C)									
Waynesboro	06	1600EST			0	0	2K		Thunderstorm Wind
			Seven trees were downed onto property along Cattle Scales Road.						
Clarke County									
2 E Berryville	06	1608EST			0	0	10K		Thunderstorm Wind
			Trees were downed, including one which fell onto a car.						
Charlottesville (C)									
Charlottesville	06	1620EST			0	3	18K		Thunderstorm Wind
			Trees were downed. One person was injured when a tree fell onto a car on Old Ivy Road. Two others were seriously injured when a tree fell onto a car on Sherwood Rd.						
Loudoun County									
Leesburg	06	1623EST			0	0	5K		Thunderstorm Wind
			Trees and power lines were downed.						
Greene County									
Countywide	06	1630EST 1700EST			0	0	5K		Thunderstorm Wind
			Trees and power lines were downed.						
Orange County									
Barboursville	06	1630EST			0	0	5K		Thunderstorm Wind
			A chimney was blown off.						
Orange County									
Orange	06	1637EST 1642EST			0	0	5K		Thunderstorm Wind
			Downed trees closed roads and caused minor structural damage.						
Fairfax County									
Chantilly	06	1645EST			0	0	5K		Thunderstorm Wind
			Power lines were downed.						
Orange County									
1 NE Orange to 2 E Orange	06	1645EST 1650EST	1	100	0	0	10K		Tornado (F1)
			A tornado downed trees and power lines and caused minor roof damage east of Orange.						

Storm Data and Unusual Weather Phenomena

June 2002

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

Orange County

2 S Flatrun	06	1700EST			0	1	200K		Thunderstorm Wind
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Numerous trees and power lines were downed onto roads and houses. One person was injured when a tree fell onto their Lake of the Woods home.

Spotsylvania County

2 SW Wilderness Corner	06	1710EST			0	1	125K		Thunderstorm Wind
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High winds knocked down numerous trees in the Lake Wilderness community and across Spotsylvania National Military Park. One tree fell onto a pickup truck and injured the driver.

Scattered thunderstorms with damaging wind gusts moved through the North Piedmont, the central foothills, and Northern Virginia during the afternoon and evening hours on the 6th. In Orange County, a weak F1 tornado touched down one mile northeast of the town of Orange. It uprooted trees and damaged a garage along its rural path. The tornado traveled approximately one mile to the east-southeast before lifting near Route 20 east of Orange. The tornado was 100 yards wide and was on the ground for one mile. Additional wind damage in and around the town of Orange including downed trees and power lines was caused by straight line winds. In Locust Grove, a convenience store lost its tin roof after high winds blew through. In the Lake of the Woods community, a downburst of winds estimated at 70 MPH caused at least one hundred trees and some power lines to be blown over. One man was injured when the roof of his house on Monticello Circle collapsed when a tree fell onto it. A total of 6 homes and a handful of cars in the community were damaged by fallen trees. Trees were also downed onto Route 20. In Barboursville, a chimney was blown over by high winds. In Spotsylvania County, a man was injured when high winds pushed three trees onto his car on Hill-Ewell Drive about 2 miles south of Wilderness. He survived by ducking under the dashboard before the trees hit the pickup. Hill-Ewell Drive remained closed for several days due to nearly 100 downed trees. Numerous trees were also downed in the Lake Wilderness community. Twelve homes in the community were damaged by felled trees, including one which sustained \$40,000 damage. Portions of the nearby Fredericksburg-Spotsylvania National Military Park were closed for two weeks due to the amount of felled trees. Removal of debris was estimated to cost \$60,000.

In Culpeper County, quarter sized hail fell in Richardsville and dime sized hail was reported in Culpeper. Funnel clouds were also reported near Eggbornsville, Cherry Hill, and Elkwood. In Fairfax County, quarter sized hail fell in Pohick Bay. In Chantilly power lines were downed. In Stafford County, golf ball sized hail was reported near the Prince William County line. In Prince William County, a wind gust of 54 MPH was recorded at the Manassas Airport. The southern portion of the county received pea to golf ball sized hail. In Fauquier County, trees were downed. In Augusta County, trees were downed in Fishersville, Crimora, and at the intersection of Route 250 and Interstate 81. A twin silo was blown over near Fishersville. In Hermitage, part of a barn roof was removed on Hildebrand Church Road. Trees were uprooted onto a garage and car near Route 254. In Waynesboro, 7 trees were downed onto property along Cattle Scales Road. In Madison County, trees downed countywide. In Albemarle County, trees were downed on the western portion of Charlottesville. One person was injured when a tree fell on a car on Old Ivy Road. Another tree fell onto a car on Sherwood Road, seriously injuring two people. Park Street was blocked by downed trees and power lines. In Greene County, trees and power lines were downed. In Frederick County, a tree was downed onto a home in Winchester. In Loudoun County, trees and power lines were downed on the west side of Leesburg. A wind gust of 54 MPH was recorded at the Leesburg Airport. In Clarke County, there was scattered damage from fallen trees. Near Berryville on Bishop Meade Road, a large tree fell onto a van. On Senseny Road, a tree limb fell onto power lines.

Stafford County

6 NW Stafford to Stafford	13	1230EST 1245EST			0	0	10K		Thunderstorm Wind
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Trees and power lines were downed.

Stafford County

East Portion	13	1240EST 1340EST			0	0			Flash Flood
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Up to 1.5 feet of water covered the intersection of Route 610 and Route 1.

Fredericksburg (C)

Fredericksburg	13	1245EST			0	0	100K		Thunderstorm Wind
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Trees and power lines were downed and three homes were damaged.

King George County

Dahlgren	13	1253EST			0	0	5K		Thunderstorm Wind
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Trees and power lines were downed from Route 218 to the naval installation.

Greene County

Ruckersville	13	1620EST			0	0	3K		Thunderstorm Wind
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Trees were downed across roads.

Orange County

Unionville	13	1640EST			0	0	3K		Thunderstorm Wind
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Trees were downed at the intersection of routes 522 and 20.

Storm Data and Unusual Weather Phenomena

June 2002

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

Orange County

Mine Run	13	1650EST			0	0	1K		Thunderstorm Wind
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A tree was downed onto Route 621.

Scattered thunderstorms with high winds and heavy rainfall moved through Northern Virginia, the Central Foothills, and the Northern Piedmont during the afternoon and evening of the 13th. In King George County, trees and power lines were downed in Dahlgren between Route 218 and the Naval Surface Weapons Center. In the northern portion of Stafford County, winds knocked down trees and power lines onto routes 610, 627, 643, 628, and 630. A wind gust of 54 MPH was recorded in Stafford where a chimney was blown down. At the intersection of Route 610 and Shelton Shop Road, two homes were damaged by downed trees. The intersection of Route 1 and Route 610 was flooded by up to 1 1/2 of water due to very heavy downpours. In Spotsylvania County, high winds knocked down trees and power lines across the city of Fredericksburg. Officials reported up to 35 downed trees and a spotter just east of town reported a wind gust of 45 MPH. A 2 foot diameter tree damaged two homes. Another home built in 1873 lost 1/3 of its roof and its chimney to high wind. In Fairfax County, pea to marble sized hail fell in Vienna. In Orange County trees were knocked down at the intersection of Route 522 and 20 in Unionville. Near Mine Run, winds measured at 45 MPH downed a tree onto Route 621. In Greene County, trees were downed across roads in Ruckersville.

Greene County

Standardsville	18	1903EST			0	0			Hail(0.88)
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Nickel sized hail fell.

Greene County

Dyke	18	2006EST			0	0			Hail(1.00)
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Quarter sized hail fell.

Culpeper County

Jeffersonton	18	2020EST			0	0			Hail(1.75)
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Golfball sized hail fell.

Greene County

Southwest Portion	18	2030EST 2130EST			0	0			Flash Flood
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Several roads were closed due to flooding, especially in the Dyke area.

Fauquier County

4 E Warrenton	18	2040EST			0	0			Hail(1.75)
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Golfball sized hail fell.

Fairfax County

Oakton	18	2050EST			0	0	1K		Thunderstorm Wind
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Trees were downed.

Albemarle County

North Portion	18	2110EST 2210EST			0	0			Flash Flood
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Flooding was reported.

Charlottesville (C)

Charlottesville	18	2120EST			0	0	5K		Thunderstorm Wind
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Trees were downed.

Scattered thunderstorms with large hail, high winds, and heavy downpours moved through Northern Virginia and the Central Foothills during the evening of the 18th. In Greene County, nickel sized hail fell in Standardsville and quarter sized hail fell in Dyke. Also in Dyke, several roads were closed due to flooding. In Culpeper County, a spotter in Jeffersonton reported golf ball sized hail. In Fauquier County 4 miles east of Warrenton, golf ball sized hail fell. In Albemarle County, several downed trees blocked roads in Charlottesville. Hail of unknown size fell in Earlysville. Flooding was reported in the northern portion of the county. In Fairfax County, trees were downed in Oakton and pea sized hail fell in Reston.

Rockingham County

6 E Port Republic	22 27	1900EST 1700EST			0	0			Wild/Forest Fire
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A wildfire burned at least 800 acres between Rocktop Trail and Big Run in Shenandoah National Park.

A lightning strike on the afternoon of the 22nd started a wildfire about 6 miles east of Port Republic in Rockingham County. The wildfire burned at least 800 acres between Rocktop Trail and Big Run in Rockingham County before being brought under control on the 27th. The fire was able to spread to such a large area because of drought conditions and ample dry brush.

Shenandoah County

Northeast Portion	25	1725EST			0	0	5K		Thunderstorm Wind
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Trees were downed.

Storm Data and Unusual Weather Phenomena

June 2002

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

A thunderstorm with damaging winds moved across Shenandoah County on the evening of the 25th. Trees were downed in the northeastern portion of the county.

Arlington County

Arlington	27	1740EST			0	0	5K		Thunderstorm Wind
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Trees were downed.

Alexandria (C)

Alexandria	27	1745EST			0	0	5K		Thunderstorm Wind
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Trees and power lines were downed.

A thunderstorm moved through Arlington and Alexandria during the afternoon of the 27 th. In Arlington, high winds knocked down trees. Pea sized hail was reported at Reagan National Airport. In Alexandria, trees and power lines were downed. In Fairfax County, pea sized hail was reported in Vienna.

VIRGINIA, Northwest

Buchanan County

Big Rock	04	1750EST			0	0	1K		Thunderstorm Wind
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Large trees and branches were blown down.

VIRGINIA, Southwest

Giles County

Mountain Lake	01	1250EST			0	0			Hail(0.75)
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Montgomery County

Christiansburg	01	1330EST			0	0			Hail(0.75)
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Montgomery County

Christiansburg	01	1330EST			0	0	0		Thunderstorm Wind
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Roanoke (C)

Roanoke	01	1330EST			0	0			Hail(0.88)
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Danville (C)

Danville	01	1425EST			0	0	0		Thunderstorm Wind
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Thunderstorms during the afternoon of the 1st produced hail up to nickel size and damaging winds.

Thunderstorm winds downed large tree limbs and signs in Danville, and large tree limbs and power lines in Christiansburg.

Grayson County

4 NW Fries	04	1350EST			0	0			Hail(0.88)
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Carroll County

2.5 NW Galax City	04	1420EST			0	0	0		Thunderstorm Wind
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Carroll County

2.5 NE Galax City	04	1430EST			0	0			Hail(0.75)
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Carroll County

2.5 NE Galax City	04	1430EST			0	0	0		Thunderstorm Wind
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Carroll County

Fancy Gap	04	1440EST			0	1	0		Lightning
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Montgomery County

Blacksburg	04	1512EST			0	0			Hail(0.75)
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Botetourt County

Cloverdale	04	1515EST			0	0			Hail(1.00)
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Montgomery County

Blacksburg	04	1519EST			0	0			Hail(0.88)
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Botetourt County

3 E Cloverdale	04	1527EST			0	0			Hail(0.88)
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Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<u>VIRGINIA, Southwest</u>									
Botetourt County									
Blue Ridge	04	1545EST 1600EST			0	0			Hail(1.00)
Roanoke County									
Bonsack	04	1545EST			0	0			Hail(1.00)
Roanoke County									
Catawba	04	1615EST			0	0			Hail(1.25)
Bedford County									
Thaxton	04	1620EST			0	0			Hail(0.88)
Craig County									
3 N New Castle	04	1645EST			0	0			Hail(0.75)
Smyth County									
Saltville to 5 NE Saltville	04	1725EST 1745EST			0	0	0		Thunderstorm Wind
Patrick County									
Stuart	04	1755EST			0	0			Hail(0.75)
Bedford County									
Forest	04	1850EST			0	0			Hail(0.75)
Amherst County									
Madison Hgts	04	1900EST			0	0			Hail(0.75)
Lynchburg (C)									
Lynchburg	04	1900EST 1930EST			0	0	0		Thunderstorm Wind
Buckingham County									
New Canton	04	1930EST			0	0	0		Thunderstorm Wind
Bedford County									
2 W Montvale	04	2145EST			0	0			Hail(1.25)
Thunderstorms during the afternoon and evening of the 4th produced damaging wind, dangerous lightning, and hail up to half dollar size.									
Thunderstorm winds downed trees from Saltville to 5 miles northeast of Saltville, 2.5 miles northwest of Galax, New Canton, large tree limbs 2.5 miles northeast of Galax, and trees and power lines in Lynchburg with large sections of the city losing power for several hours.									
A man in Fancy Gap was struck by lightning, but not seriously injured.									
Montgomery County									
Blacksburg	05	1900EST			0	0	0		Thunderstorm Wind
Thunderstorm winds during the evening of the 5th downed several trees in Blacksburg.									
Buckingham County									
5 E Dillwyn	06	1355EST			0	0	0		Thunderstorm Wind
Smyth County									
Marion	06	1415EST			0	0	0		Thunderstorm Wind
Grayson County									
Baywood	06	1456EST			0	0			Hail(0.75)
Galax (C)									
Galax	06	1504EST			0	0			Hail(0.75)
Carroll County									
3 SW Woodlawn	06	1520EST			0	0			Hail(0.75)
Carroll County									
2 N Fancy Gap	06	1535EST			0	0			Hail(0.75)

Storm Data and Unusual Weather Phenomena

June 2002

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

Patrick County									
Woolwine	06	1600EST			0	0			Hail(0.75)
Franklin County									
Henry Fork	06	1620EST			0	0	0		Thunderstorm Wind
Franklin County									
Gladehill	06	1630EST			0	0			Hail(0.88)
Franklin County									
2.5 E Henry Fork	06	1635EST			0	0	10K		Thunderstorm Wind
Pittsylvania County									
Gretna	06	1655EST			0	0	10K		Thunderstorm Wind

Thunderstorms during the afternoon of the 6th produced damaging winds and hail up to nickel size.

Thunderstorm winds downed trees in Henry Fork, onto Route 60, 5 miles east of Dillwyn, onto vehicles in Gretna, and trees and power lines in Marion.

Thunderstorm winds also tore the roof off of a barn, onto the side of a house, 2.5 miles east of Henry Fork.

Montgomery County									
Blacksburg	24	1827EST			0	0			Hail(0.75)
Montgomery County									
Blacksburg	24	1827EST			0	0			Thunderstorm Wind (G60) ^M
Montgomery County									
Merrimac	24	1910EST 1940EST			0	0			Flash Flood

A thunderstorm during the evening of the 24th produced a wind gust to 60 mph and dime size hail in Blacksburg. In addition, the storm produced flash flooding on Merrimac Road in Merrimac.

Rockbridge County									
4 NE Glasgow	27	1430EST			0	0	0		Thunderstorm Wind
Amherst County									
Amherst	27	1455EST			0	0	0		Thunderstorm Wind
Pittsylvania County									
Blairs	27	1620EST			0	0	0		Thunderstorm Wind

Thunderstorms during the afternoon of the 27th produced damaging winds

Thunderstorm winds downed a large tree in Bairs, trees and power lines 4 miles northeast of Glasgow, and large tree limbs in Amherst.

WASHINGTON, Northeast

Asotin County									
4 W Clarkston	26	1910PST			0	0	5K		Thunderstorm Wind

A severe thunderstorm moving off the Blue Mountains blew over power poles.

WASHINGTON, Northwest

Thurston County									
Lacey	07	1430PST			0	1			Lightning

A 17 year old was struck by lightning while he was working outside. He sustained minor burns, some hearing loss and a headache. The tree next to him was stripped of its bark.

Pierce County									
6 NW Gig Harbor	18	1230PST 1231PST			0	0			Funnel Cloud

A funnel cloud was sighted in the Gig Harbor area.

Storm Data and Unusual Weather Phenomena

June 2002

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

WAZ027	Yakima Valley				0	0			Dust Storm
	07	1620PST							Dust storm produced zero visibility near Granger, which resulted in a multi-vehicle accident. There were four injuries and about \$5,000 damage to vehicles from the accident.
WAZ028	Lower Columbia Basin				0	0	0.50K		High Wind
	09	1300PST 1500PST							High winds caused a tree to fall onto a truck and motor home in West Richland.
Yakima County	Yakima				0	0			Lightning
	10	1500PST 1900PST							Lightning knocked out power to 4,000 customers in Yakima. The storms produced hail and flooding on some intersections.
Walla Walla County	10 N Touchet				0	0			Wild/Forest Fire
	26 27	2117PST 0500PST							Lightning caused fire blackened 2,000 acres of grass and wheat.
WAZ029	Blue Mountain Foothills				0	0			High Wind (G37)^M
	27	0130PST 0310PST							High winds caused downed power lines in Walla Walla and Waitsburg.

WASHINGTON, Southwest

NONE REPORTED.

WEST VIRGINIA, East

Berkeley County	Arden				0	0			Hail(0.75)
	04	1834EST							Dime sized hail fell.
Berkeley County	Arden				0	0	0.10K		Thunderstorm Wind
	04	1834EST							A tree was downed.
Hardy County	Wardensville				0	0			Hail(1.75)
	04	1840EST							Golfball sized hail fell. Scattered thunderstorms moved through the Eastern Panhandle during the evening of the 4th. In Hardy County, golf ball sized hail fell in Wardensville. In Berkeley County, dime sized hail fell and a tree was reported down along Interstate 81 near Arden. In Grant County, hail of unknown size fell in Bayard.
Berkeley County	Countywide				0	0	15.5K		Thunderstorm Wind
	05	1530EST 1600EST							Trees and telephone poles were downed onto roads and houses. A severe thunderstorm hit Berkeley County during the late afternoon of the 5th. In Mountain View and Inwood, a tree fell onto a house. Hail of unknown size also fell in Inwood. In Martinsburg, trees and power lines were downed. The most widespread damage was reported in the Bunker Hill area. Several trees were uprooted and nine telephone poles were snapped off along Three Run Road and Aspen Drive. One tree fell onto a home and tore a hole in the roof. A total of 2600 county customers lost power as a direct result of the storm.
Berkeley County	Countywide				0	0	7K		Thunderstorm Wind
	06	1540EST 1600EST							Extensive tree damage and minor structural damage was reported.
Jefferson County	Charles Town				0	0	2K		Thunderstorm Wind
	06	1600EST							

Storm Data and Unusual Weather Phenomena

June 2002

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

Trees were downed.

Jefferson County Countywide

06 1600EST **0** **0** **5K** **Thunderstorm Wind**

Power lines were downed.

A thunderstorm with high winds moved through the far Eastern Panhandle between 4 and 6 PM EDT on the 6th. In Berkeley County, extensive tree damage was reported along Sulphur Spring Drive in Inwood. A construction trailer nearby was overturned and a building under construction suffered damaged scaffolding and siding. Trees were also downed in the community of Berkeley. Power outages occurred in Martinsburg. In Jefferson County, trees were downed in and around Charles Town. Power lines were downed countywide.

Berkeley County East Portion

13 1400EST
1800EST **0** **0** **Heavy Rain**

Up to 3 inches of rain caused flooding in Inwood. The time was estimated.

Thunderstorms with heavy rainfall moved through Berkeley County during the afternoon of the 13th. Radar estimated as much as 3 inches of rain fell in the southeast portion of the county. An observer in Falling Waters recorded a total of 1.87 inches. Several cars were stranded on Route 51 near the intersection of Route 11 in Inwood when up to 3 feet of water covered the road.

WEST VIRGINIA, North

Marshall County Glendale

04 0038EST
0630EST **0** **0** **50K** **Flood**

Heavy thunderstorm rains of over 1.5 inches in one hour produced flooding across the northwest corner. These heavy rains forced Middle Grave Creek out of its banks. Six county roads, most in the Glendale and Cameron area, were closed by the high waters. Emergency management officials also reported basement flooding in several homes in the McMechen area.

Marshall County Moundsville

04 1540EST **0** **0** **Hail(0.88)**

Marshall County 4 S Moundsville

04 1640EST **0** **0** **2K** **Thunderstorm Wind**

Thunderstorm winds downed a few trees and power lines.

Marshall County Countywide

06 1200EST
1530EST **0** **0** **50K** **Flood**

Another round of heavy thunderstorm rains forced already-swollen creeks and streams out of their banks across the county. North Fork Creek, Harts Run, Wolf Run, Big Grave and Little Grave Creeks were all reported out of their banks by emergency management officials, flooding local roadways. Basement flooding was also reported in the McMechen area.

Brooke County

Bethany

14 1752EST **0** **0** **2K** **Thunderstorm Wind**

Thunderstorm winds downed a few large trees.

WEST VIRGINIA, Southeast

Mercer County Princeton

04 2045EST **0** **0** **Hail(1.00)**

Thunderstorms during the evening of the 4th produced hail up to quarter size.

Greenbrier County

Renick to Anthony

06 1410EST
1425EST **0** **0** **50K** **Thunderstorm Wind**

Thunderstorm winds during the afternoon of the 6th downed trees from Renick to Anthony. Some vehicles and roofs were damaged by the fallen trees.

Mercer County Bluefield

16 1630EST **0** **0** **0.50K** **Lightning**

A thunderstorm during the afternoon of the 16th produced lightning that struck a tree, causing part of it to explode and shatter a car windshield.

Storm Data and Unusual Weather Phenomena

June 2002

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

Mingo County

Williamson	01	1405EST			0	0			Hail(0.75)
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Mcdowell County

Roderfield to Coalwood	01	1500EST 1630EST			0	0	5K		Flash Flood
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Homes were not affected, but streams overflowed into yards and across roads. The flooding was compounded by debris, still in the streams from the severe flooding in May.

Mingo County

2 E Williamson to Ragland	01	1500EST 1630EST			0	0	5K		Flash Flood
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Yards and roads flooded along Rockhouse Fork and Lick Creek. Homes were not flooded. Rains of 1.5 to 2 inches fell over saturated slopes.

Wood County

Parkersburg	04	1837EST			0	0			Hail(0.75)
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Wood County

Parkersburg	04	1841EST			0	3			Lightning
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Three men, working on a vehicle, were slightly injured. One was thrown about 10 feet.

Pleasants County

Hebron	04	1905EST			0	0	1K		Thunderstorm Wind
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Large trees fell across roads.

Ritchie County

Pennsboro	04	1925EST			0	0			Hail(0.75)
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Jackson County

Hemlock	04	1950EST			0	0	1K		Thunderstorm Wind
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Large trees and branches fell across roads.

WVZ032

Taylor

13		0830EST 1130EST			0	0	50K		Flood
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Rains of 2 to 3 inches caused minor flooding in the Grafton to Webster vicinity. The most damage was caused by runoff, clogged culverts and basement drain backups. Thirteen homes were affected and 3 businesses. The Anna Jarvis Visitor Center also received water damage from Berkeley Run.

Nicholas County

Mt Nebo	16	1710EST			0	0			Hail(0.75)
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Braxton County

Frametown	16	1843EST			0	0			Hail(0.75)
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Braxton County

Gassaway	16	1905EST			0	0			Hail(0.75)
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Mingo County

Sharon Hgts	25	1745EST			0	0	1K		Thunderstorm Wind
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Large tree branches were blown down along roads.

Harrison County

Countywide	27	1715EST 1720EST			0	0	5K		Thunderstorm Wind
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Scattered locations throughout the county had large branches or power lines blown down.

WISCONSIN, Extreme Southwest

NONE REPORTED.

Storm Data and Unusual Weather Phenomena

June 2002

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

Marathon County

West Portion	11	0140CST 0230CST			0	0			Flash Flood
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Abundant moisture combined with a very unstable atmosphere resulted in the development of thunderstorms with torrential rains. As much as two feet of water covered some roads in the western part of the county.

Waushara County

Countywide	21 22	2300CST 0500CST			0	0			Flash Flood
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Manitowoc County

Two Rivers	21	2345CST			0	0			Lightning
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Wood County

Countywide	22	0015CST 0600CST			0	0			Flash Flood
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Marathon County

Countywide	22	0330CST 0700CST			0	0			Flash Flood
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Portage County

Countywide	22	0330CST 0700CST			0	0			Flash Flood
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Waushara County

Countywide	22	0500CST 1500CST			0	0	975K	35M	Flood
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Wood County

Countywide	22	0600CST 1500CST			0	0	1M		Flood
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Marathon County

Countywide	22	0700CST 1500CST			0	0	1.6M		Flood
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Portage County

Countywide	22	0700CST 1500CST			0	0	700K		Flood
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An east to west stationary front across central Wisconsin was the focus for the development of thunderstorms. Heavy rain occurred across that part of the state during the night of June 21-22 as thunderstorms trained over the area for several hours. Over 5 inches of rain fell during a 3 hour period across the affected areas. An unofficial gage near Biron (Wood co.) recorded 10.30 inches in 12 hours.

A trailer park in Stratford (Marathon co.) had to be evacuated due to high water, and basements were flooded in some homes in central Wisconsin. Several bridges were out due to the flooding and roads were washed out in numerous locations. One township in Marathon county had 40 miles of roads that needed to be resurfaced. Waushara county suffered extensive damage to corn, potato, bean, carrot and pea crops.

Lightning started a fire that caused minor damage to a factory in Two Rivers (Manitowoc co.).

WIZ030

Marathon

22	0548CST 2124CST			0	0			Flood
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Heavy rain that fell in central Wisconsin caused moderate flooding on the Big Eau Pleine river near Stratford.

WIZ035

Wood

23 24	0333CST 1600CST			0	0			Flood
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Heavy rain that fell in central Wisconsin the previous morning caused minor flooding on the Yellow river at Babcock.

Oneida County

10 N Rhinelander	23	2200CST			0	2			Lightning
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Marinette County

South Portion	23 24	2230CST 0100CST			0	0	250K	200K	Flash Flood
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Thunderstorms developed along the same east to west stationary front resulting in flash flooding over central and southern Marinette county during the night. There were reports of some minor road washouts and basement flooding. 4.81 inches of rain fell in

Storm Data and Unusual Weather Phenomena

June 2002

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

Porterfield and 4.35 inches of rain was reported in Crivitz, all in about 5 hours.

Lightning from the storms struck a tree at a scout camp on Crystal Lake (Oneida co.) and traveled through the ground, injuring two 13 year old boys in their tent. One of the boys suffered serious burns and blurred vision. The other boy suffered less severe burns.

Marinette County

Crivitz	24 29	0100CST 1500CST			0	0			Flood
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Runoff from heavy rains on the night of the 23rd caused a swamp in the northwest part of Crivitz to flow over its banks. The high water persisted for several days and some businesses and roads through town had to be sandbagged to keep the water out. Part of U.S. highway 141 had to close due to high water and some homes in the area experienced basement flooding.

WIZ013

Marinette	25	0200CST 0828CST			0	0			Flood
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Runoff from heavy rain that fell in northeast Wisconsin a day earlier caused minor flooding on the Peshtigo river at Porterfield.

Vilas County

Eagle River to Conover	25	2110CST			0	0			Thunderstorm Wind (G50)
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Marathon County

1 E Abbotsford	25	2120CST			0	0			Thunderstorm Wind (G50)
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Lincoln County

5 NW Merrill	25	2135CST			0	0			Thunderstorm Wind (G50)
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Marathon County

Spencer	25	2136CST			0	0			Thunderstorm Wind (G50)
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Marathon County

Wausau	25	2210CST			0	0			Hail(0.75)
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Portage County

5 W Stevens Pt	25	2220CST			0	0			Thunderstorm Wind (G50)
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Portage County

1 NW Rosholt	25	2235CST			0	0			Thunderstorm Wind (G50)
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Portage County

8 SW Bancroft	25	2245CST			0	0			Thunderstorm Wind (G50)
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A line of thunderstorms that developed in very unstable air across Minnesota and northwest Wisconsin moved into central and north-central Wisconsin during the evening. The storms dropped some large hail and also produced strong winds that downed numerous trees.

WISCONSIN, Northwest

Bayfield County

Washburn	25	1827CST			0	0			Thunderstorm Wind (G50)
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Trees were blown down.

Burnett County

Hertel	25	1851CST			0	0			Hail(0.75)
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Sawyer County

20 E Hayward	25	1903CST			0	0			Thunderstorm Wind (G50)
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Numerous trees were blown down at Ghost Lake boat landing. Boat trailers and cars were damaged by falling trees.

Sawyer County

5 E Hayward	25	1905CST			0	0			Hail(0.75)
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Washburn County

Shell Lake	25	1910CST			0	0			Hail(0.75)
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Iron County

Gile	25	1934CST			0	0			Thunderstorm Wind (G50)
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Falling trees downed power lines.

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>WISCONSIN, Northwest</u>									
Washburn County									
5 SE Sarona	25	1938CST			0	0			Thunderstorm Wind (G50)
			Trees were blown down.						
Sawyer County									
Exeland	25	2005CST			0	0			Thunderstorm Wind (G60)
			Fifty-two to sixty-one knot winds blew down numerous trees.						
Iron County									
Hurley	25	2015CST			0	0			Thunderstorm Wind (G50)
			Numerous trees were blown down.						
Price County									
Phillips	25	2100CST			0	0			Thunderstorm Wind (G50)
			Trees were blown down.						
<u>WISCONSIN, Southeast</u>									
Sauk County									
Spring Green	03	0415CST			0	0			Hail(0.75)
Dane County									
Springfield Corners	03	0500CST 0700CST			0	0			Urban/Sml Stream Fld
Dane County									
Stoughton	03	0540CST			0	0	20K		Lightning
Milwaukee County									
Milwaukee to Brown Deer	03	0600CST 0800CST			0	0			Urban/Sml Stream Fld
Waukesha County									
Menomonee Falls	03	0600CST			0	0			Urban/Sml Stream Fld
Walworth County									
2.5 NNE East Troy	03	0640CST			0	0	5K		Thunderstorm Wind (G56)
Kenosha County									
Twin Lakes to Kenosha	03	0655CST 0725CST			0	0	75K		Thunderstorm Wind (G56)
Racine County									
Burlington to Racine	03	0655CST 0725CST			0	0	200K		Thunderstorm Wind (G58) ^M
Racine County									
5 NW Sturtevant	03	0700CST			0	0	10K		Heavy Rain
Racine County									
Sturtevant	03	0709CST			0	0			Funnel Cloud
Kenosha County									
Kenosha	03	0715CST			0	0			Hail(0.88)
Rock County									
2 E Avalon	03	0802CST			0	0			Hail(0.75)
Walworth County									
2 SE Fontana	03	0825CST			0	0	10K		Thunderstorm Wind (G56)
Dane County									
Fitchburg	03	0830CST			0	0	0.50K		Lightning
WIZ071>072									
		Racine - Kenosha							
	03	0855CST 0955CST			0	0			High Wind (G50)

Three lines of severe thundrestorms moved east-southeast across south-central and southeast Wisconsin. The last line was the

Storm Data and Unusual Weather Phenomena

June 2002

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

WISCONSIN, Southeast

strongest of the three. Damaging, straightline winds were the most common type of severe weather, although some large hail stones were spotted. Brief, torrential downpours accompanied some of the storms, especially in the counties of Dane, Racine and Kenosha. The toppled trees pulled down power lines near Fontana (Walworth Co.), and across much of Racine and Kenosha counties. The Racine Wastewater Treatment Plant registered a peak northwest wind gust of 58 kts (67 mph). In the cities of Sturtevant (Racine Co.) and Racine, 4 vehicles and 2 garages were damaged or destroyed due to felled trees. On another Racine home, the wind blew an old chimney down. At least another 4 homes in Racine had some gutter or siding damage. In Sturtevant, a flaf pole was bend 45 degrees, and a stored pontoon boat was flipped over. A covered wagon in Kansasville (Racine Co.) was damaged when the thunderstorm winds blew it over. Roof shingles were ripped off several homes in the city of Kenosha. One Kenosha home had a large tree fall on its roof, damaging the chimney, gutters, and wood trim. A large yacht was blown off its perch and into a fence near the Lake Michigan shoreline in downtown Kenosha, but sustained only minor damage. Lightning struck an apartment building in Stoughton (Dane Co.), starting a fire that left \$20,000 in damage. In Fitchburg (Dane Co.), lightning struck a home and traveled down a pipe to the basement where a small fire started in a rubbish bin. Rainfall amounts of 1 to 2 inches generated some small stream flooding that pushed water over the roads in Sringfield Corners (Dane Co.). Up to 3.5 inches of rain fell in Menomonee Falls (Waukesha Co.) resulting in urban flooding, which extened east across northern Milwaukee County where 2 to 3 inches fell. Several roads in northern Milwaukee County had water up to 12 to 18 inches deep. Heavy rains in Racine County lead to hydroplaining problems on Interstate 94 where a semitrailer truck jack-knifed and rolled over at about 0730CST.

A wake-low developed over southeastern Wisconsin on the west side of the 3rd line of storms, after it had moved east to over Lake Michigan. The pressure gradient between the thunderstorm-induced mesohigh over Lake Michigan and the wake low in the vicinity of Madison to Whitewater generated a high wind event over the eastern parts of the counties of Racine and Kenosha. Southeast winds gusted to 50 knots (58 mph) at the GLERL observation site on the shore of Lake Michigan in downtown Kenosha at 0900CST, and were equal to or greater than 35 kts (40 mph) between 0855 and 0955CST. Numerous trees were pushed down by the high winds, and a greenhouse on the UW-Parkside campus sustained window damage. Gusty southeast winds to 30 to 43 knots (35 to 50 mph) were noted over the remainder of southeast and south-central Wisconsin south of Interstate 94 and east of Interstate 90, resulting in many small branches breaking off of trees. The combination of severe thunderstorms followed by high winds resulted in 18,000 customers losing electrical power in the counties of Racine and Kenosha. About 200 lines were down either due to the winds or lightning.

Lafayette County
3 E Darlington to
3 SE Darlington

04	1100CST						
	1230CST			0	0	5K	Flash Flood

Torrential rainfalls associated with slow-moving thunderstorms, resulted in some gravel shoulder washouts near a bridge on State Highway 81 east of Darlington. The road was blocked off as a precautionary measure due to high water levels on the local river. There were several reports of mud and gravel washed down from driveways onto roads in the Darlington area east to Green County. The Darlington Wastewater treatment plant measured 3.97 inches of rain during the morning and early afternoon hours. Further southeast in Monroe (Green Co.), the treatment plant in that city measured 3.62 inches, but luckily no flooding problems were noted.

Racine County
Racine

04	1100CST						
				0	0	5K	Lightning

Lightning struck near an unoccupied home in the central part of the city of Racine and traveled through power lines into the home. The homes siding and electrical wiring were damaged.

Rock County
3.5 SE Clinton

10	1815CST						
				0	0		Thunderstorm Wind (G56)

Walworth County
Sharon to
Walworth

10	1817CST						
	1825CST			0	0		Thunderstorm Wind (G56)

Rock County
2 E Edgerton

10	1820CST						
				0	0		Thunderstorm Wind (G56)

Jefferson County
3.2 NE Concord

10	1915CST						
				0	0		Thunderstorm Wind (G52)

Milwaukee County
Milwaukee

10	1930CST						
	2100CST			0	0		Urban/Sml Stream Fld

Waukesha County
Sussex

10	1936CST						
				0	0		Thunderstorm Wind (G56)

Milwaukee County
Greendale

10	1940CST						
				0	0		Hail(0.75)

Storm Data and Unusual Weather Phenomena

June 2002

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

Milwaukee County

Greendale to Shorewood	10	1950CST 2005CST			0	0			Thunderstorm Wind (G56)
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Scattered, evening, severe thunderstorms with damaging straight-line winds and large hail developed over parts of south-central and southeast Wisconsin. The powerful winds toppled trees which pulled down power lines. In addition, brief, torrential rainfalls resulted in urban flooding on the southwest side of the city of Milwaukee around 76th and Oklahoma, where water was 10 inches deep on roads. About 4,000 homes in Jefferson and Milwaukee counties lost electrical power due to downed lines or lightning hits.

Dane County

3 WSW Mazomanie	11	0400CST			0	0			Thunderstorm Wind (G61)
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Numerous large trees were uprooted by a very localized, wet-microburst as a cluster of severe storms moved east-southeast across Dane County. The pulse-type storms quickly diminished in strength after moving out of the northwest part of Dane County.

Washington County

West Bend to Jackson	15	1326CST 1330CST			0	0			Hail(0.75)
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Fond Du Lac County

Fond Du Lac	15	1358CST 1400CST			0	0			Hail(0.75)
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Milwaukee County

Timmerman Arpt	15	1559CST			0	0			Hail(0.75)
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Milwaukee County

3 N General Mitchell Arj	15	1623CST			0	0			Hail(0.75)
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Racine County

1 N Racine	15	1627CST			0	0			Hail(0.88)
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Milwaukee County

3.7 SW General Mitchell	15	1629CST			0	0			Hail(0.75)
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Milwaukee County

Oak Creek	15	1632CST			0	0			Hail(0.75)
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Racine County

Racine	15	1707CST			0	0			Hail(0.75)
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Scattered severe thunderstorms moved through southeast Wisconsin dumping large hail. The ground was covered white around Timmerman Field on the northwest side of the city of Milwaukee.

Dane County

Madison to Sun Prairie	16	1845CST 1850CST			0	0			Thunderstorm Wind (G52)
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Several large trees were toppled by powerful straight-line winds as an isolated severe thunderstorm moved through Dane County.

WIZ065>066-070>072

Waukesha - Milwaukee - Walworth - Racine - Kenosha

	20	0000CST 2359CST			1	0			Excessive Heat
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A brief, one day heat wave affected parts of southeast Wisconsin, resulting in the death of a 38-year-old male in the city of Milwaukee. After several days with maximum temperatures in the 50s, 60's and 70's, the heat on June 20th was sudden enough to affect humans. Milwaukee Mitchell Field registered a high of 90 and a minimum of 72, about 13 to 15 degrees above normal. Similar readings were noted elsewhere in southeast Wisconsin. Heat indices were 95 to 100, thus this heat wave didn't meet the official criteria for a heat wave. Full sunshine and southwest winds of 15 to 25 mph were also observed. M38PH

Marquette County

5 E Endeavor	21	1615CST			0	0			Hail(0.75)
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Columbia County

Marcellon	21	1640CST			0	0			Funnel Cloud
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Columbia County

1 N Friesland	21	1705CST			0	0			Hail(0.75)
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Sauk County

4 NW Rock Spgs	21	1705CST			0	0			Hail(0.75)
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Dodge County

2 W Fox Lake	21	1719CST			0	0			Hail(0.75)
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Storm Data and Unusual Weather Phenomena

June 2002

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

Dodge County

1 W Fox Lake	21	1725CST			0	0			Thunderstorm Wind (G65)
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Dodge County

2 SW Fox Lake	21	1745CST			0	0			Thunderstorm Wind (G56)
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Sauk County

Rock Spgs	21	1748CST			0	0			Hail(0.75)
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Columbia County

4 N Pardeeville	21	1810CST			0	0			Hail(0.75)
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Short lines or clusters of severe thunderstorms moved southeast across parts of south-central and southeast Wisconsin, producing downbursts of straight-line winds and large hail. Just west of Fox Lake (Dodge Co.), the powerful winds demolished a shed and blew it onto a road. Southwest of Fox Lake the winds blew down county road signs. On the Milwaukee-Sullivan WSR-88D Doppler radar system, a decent mesocyclone was evident with a thunderstorm that moved southeast across the far northwest part of Columbia County into northwest Dodge County. The lack of low level boundaries ahead of this storm may have played a part in diminishing the lower atmosphere's ability to spin up into a tornado.

Green Lake County

5 W Fairburn to 8 N Princeton	22	0300CST 0500CST			0	0	10K		Flash Flood
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Marquette County

5.5 WSW Neshkoro	22	0300CST 0500CST			0	0	10K		Flash Flood
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At least 3 lines of thunderstorms with heavy rains sagged south into the northern parts of Marquette and Green Lake counties during the overnight hours. Individual thunderstorm cells trained west to east, ultimately resulting in flash flooding which caused gravel shoulder washouts on some roads as well as road closures. WSR-88D Doppler radar estimated that 5 to 6 inches of rain fell between 2100CST on August 21st through about 0300CST on August 22nd. Further north, 8 to 15 inches were reported in parts of Juneau, Adams, Waushara, Wood, and Portage counties! Refer to the StormData reports produced by WFO La Crosse and WFO Green Bay for detailed flash flood information for central and northeastern Wisconsin, respectively.

WIZ059>060-064>066-069>072

Washington - Ozaukee - Jefferson - Waukesha - Milwaukee - Rock - Walworth - Racine - Kenosha

22	1200CST				1	0			Excessive Heat
25	1800CST								

A long-duration, early-season, heat wave affected Milwaukee and Racine counties, resulting in a directly-related death, and an indirectly-related death. This heat wave didn't meet official heat-wave criteria, but the duration and timing was sufficient to adversely affect humans. A 43-year old City of Milwaukee man was found dead on the steps of a Milwaukee church with a body temperature of 111 on June 23rd. Heat was the primary cause of death based on medical reports (death is directly related to heat). The maximum air temperature was only in the lower 90s across the city of Milwaukee, with General Mitchell Field registering 91. Heat Index values were in the 95 to 100 range. The morning low at Mitchell Field was 71. Normal highs and lows for June 23rd are 78 and 58. In addition, a 37-year-old City of Racine woman died in her apartment on June 23rd, after her body temperature reached 109 degrees. Medical reports indicated that heat was a secondary cause of death (indirectly-related to heat). Maximum air temperatures in Racine ranged from 90 to 91, after overnight lows around 68. Heat indices were in the 95 to 100 degree range. June 23rd was the second of four consecutive days with maximum readings in the lower 90s across southeast and south-central Wisconsin, and minimum temperatures in the upper 60s to lower 70s, both about 12 to 15 degrees above normal. M43OU

Columbia County

Pardeeville	26	0300CST			0	0	100K		Lightning
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Lightning struck a home in Pardeeville, starting a fire that gutted the 2nd floor. It traveled down to the 1st floor and blew out the front door's frame, blew out light switches, and knocked pictures off walls.

WIZ046>047-051>052-056>060-062>072

Marquette - Green Lake - Fond Du Lac - Sheboygan - Sauk - Columbia - Dodge - Washington - Ozaukee - Iowa - Dane - Jefferson - Waukesha - Milwaukee - Lafayette - Green - Rock - Walworth - Racine - Kenosha

30	0000CST 2359CST				0	0			Excessive Heat
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The last day of June 30, 2002, was the first of four consecutive days in south-central and southeast Wisconsin with maximum temperatures in the lower to mid 90s and overnight lows in the upper 60s to mid 70s, both about 10 to 15 degrees above normal. No deaths were reported, however, on June 30th, at least 150 people at Milwaukee's Sumerfest (Milwaukee Co.) required first-aid treatment and one was taken to a local hospital for heat exhaustion. At least 6 people in the Madison (Dane Co.) area required medical treatment at local hospitals. Milwaukee Mitchell Field recorded a maximum of 95 on June 30th, while Madison came in with 93. Heat index values on June 30th peaked in the 95 to 104 range, thanks to surface dewpoints in the upper 60s to lower 70s.

Storm Data and Unusual Weather Phenomena

June 2002

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

WISCONSIN, Southwest

Grant County

Hazel Green	03	2200CST			0	0			Hail(1.00)
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Grant County

Bagley	04	0857CST			0	0			Hail(0.75)
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Grant County

Glenhaven	04	0857CST			0	0			Hail(0.75)
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Dime size hail was reported by the public and law enforcement officials.

Grant County

South Portion	04	0100CST 0400CST			0	0	500K	200K	Flash Flood
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Rainfall amounts of 3.5 to 5 inches produced flash flooding, with the town of Cassville being hardest hit. Furnace Creek, which flows into the northwest part of the town, was choked with so much debris that the flow of water was diverted into nearby homes and a park. 25 homes had to be evacuated, with 8 of these receiving significant damage. In fact, one home was completely destroyed when the basement collapsed. Local residents also reported cars floating in water 2 to 3 feet deep. Total damage due to the high water was estimated at nearly three-quarters of a million dollars.

WIZ061

Grant

04	0400CST 1430CST				0	0	45K	75K	Flood
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Runoff from flash flooding during the early morning hours continued to cause rivers, such as the Grant River, to flood extensive areas of nearby farm fields throughout much of the day.

Grant County

4 S Lancaster	13	1730CST			0	0	45K		Thunderstorm Wind (G55)
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Straight-line winds estimated at 60 to 65 mph blew down a barn, killing seven cattle inside.

Adams County

Northeast Portion	22	0230CST 0930CST			0	0	577K	20K	Flash Flood
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Clark County

Northeast Portion	22	0605CST 0930CST			0	0	345K	25K	Flash Flood
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Taylor County

Countywide	22	0630CST 0900CST			0	0	80K	15K	Flash Flood
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Repeated thunderstorms with heavy rain caused flash flooding over parts of central Wisconsin. Hardest hit was the northeast part of Adams County where Doppler radar estimated total amounts of 15 inches. Cooperative weather observers reported 5 inches of rain at Big Flats, 7 inches in Leola and 10 to 12 inches in areas just north and east of Leola. Numerous roads were closed or badly eroded, with many bridges washed out. Area lakes were full, while levees and dikes nearly breached. Many basements and septic fields flooded out. In northeast Clark County, numerous roads were damaged and closed. Both Adams and Clark County received federal disaster assistance due to the flooding, along with other central Wisconsin counties.

WIZ017-029-044

Taylor - Clark - Adams

22	0900CST 1400CST				0	0	260K	24.5K	Flood
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Flooding continued during the day as a result of excessively heavy rainfall Friday night into Saturday morning. Numerous roads remained closed due to washouts, while streams and creeks were overflowing. In northern Adams County, emergency management officials reported high water levels on area lakes, which nearly breached levees and embankments. Local residents joined township and county crews in an all-out effort to sandbag areas along lakes Arrowhead, Camelot and Sherwood.

Clark County

Withee	25	2110CST			0	0	5K	7K	Thunderstorm Wind (G56)
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Taylor County

Medford	25	2110CST			0	0	2.5K		Thunderstorm Wind (G52)
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Clark County

1 N Owen	25	2112CST			0	0	3.5K	5K	Thunderstorm Wind (G56)
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Clark County

Abbotsford	25	2115CST 2120CST	0.3	70	0	2	100K		Tornado (F1)
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Storm Data and Unusual Weather Phenomena

June 2002

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

Buffalo County

2 NE Alma	25	2215CST			0	0			Thunderstorm Wind (G52)
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A tornado touched down in Abbotsford (Clark County), causing considerable damage. A large feed mill was demolished, with debris damaging 15 cars at a nearby car dealership. An electric generator from the feed mill was thrown about two blocks, damaging the front of a building, before coming to rest on a minivan, demolishing it. Utility poles were sheared off and tossed, as well as a railroad crossing guard. One power pole was tossed through a car window, while yet another car was picked up and tossed onto another. In addition to the tornado, straight-line winds estimated at 60 to 65 mph blew down numerous trees and power lines.

Buffalo County

2 E Modena	25 26	2335CST 0030CST			0	0	4.5K	8K	Flash Flood
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Flash flooding was caused by 2 to 4 inches of rain in a couple of hours. Law enforcement officials reported mudslides, along with water covering a few county roads.

WISCONSIN, West

Rusk County

Southeast Portion	22	0630CST 0800CST			0	0			Flash Flood
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Main Creek overflowed its banks and produced water over a road, thereby closing it for a short while.

Polk County

2 E East Farmington	25	1910CST			0	0			Hail(1.75)
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Polk County

2 W East Farmington to 6 ESE East Farmington	25	1910CST 1915CST			0	0			Thunderstorm Wind (G60)
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Swath of numerous trees down.

St. Croix County

Star Prairie	25	1915CST			0	0			Hail(1.00)
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St. Croix County

3 W Star Prairie to 4 SE Deer Park	25	1915CST 1930CST			0	0			Thunderstorm Wind (G60)
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Hundreds of trees down. Several dozen trees down 4 SE Deer Park was the last severe weather to occur from this supercell. It started in Minnesota (8 SW Cambridge, Isanti County) and produced severe weather along a 60 mile path. One tornado, two funnel clouds, large hail and damaging wind were the result.

Polk County

8 ESE East Farmington	25	1926CST			0	0			Hail(1.75)
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Chippewa County

Bloomer	25	1925CST			0	0			Hail(1.75)
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Hail swath extended to Lake Holcombe.

Chippewa County

Bloomer	25	1925CST			0	0			Thunderstorm Wind (G60)
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Nearly 100 trees down on farm near Highway 64. Roof blown off barn.

Barron County

2 NE Haugen	25	1938CST			0	0			Thunderstorm Wind (G50)
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A few trees down.

St. Croix County

Glenwood City	25	1945CST			0	0			Thunderstorm Wind (G50)
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A few trees down.

Barron County

Prairie Farm	25	1946CST			0	0			Hail(1.75)
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Dunn County

Boyceville	25	1950CST			0	0			Thunderstorm Wind (G55)
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Numerous trees down.

Barron County

Dallas	25	2000CST			0	0			Hail(1.00)
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Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
<u>WISCONSIN, West</u>									
Barron County									
Dallas	25	2000CST			0	0			Thunderstorm Wind (G50) Eight inch tree limbs down.
Dunn County									
2 SE Ridgeland	25	2005CST			0	0			Thunderstorm Wind (G52) Few trees down.
Dunn County									
Sand Creek	25	2010CST			0	0			Thunderstorm Wind (G55) Numerous trees down.
Dunn County									
Colfax	25	2015CST			0	0			Thunderstorm Wind (G55) Numerous trees down.
Chippewa County									
5 W Cornell	25	2018CST			0	0			Hail(0.75)
Chippewa County									
Chippewa Falls	25	2019CST			0	0			Thunderstorm Wind (G55) Numerous trees down, some with an 18 inch diameter.
Dunn County									
Downsville	25	2020CST			0	0			Thunderstorm Wind (G52) Few trees down.
Dunn County									
Menomonie	25	2020CST			0	0	250K	600K	Thunderstorm Wind (G58) Numerous trees down, some on homes, outbuildings and sheds.
Rusk County									
3 E Ladysmith	25	2020CST			0	0			Thunderstorm Wind (G50) Tree down.
Chippewa County									
5 SW Chippewa Falls	25	2025CST			0	0			Thunderstorm Wind (G55) Numerous trees down.
Chippewa County									
6 W Cornell	25	2030CST			0	0			Thunderstorm Wind (G55) Numerous trees down.
Chippewa County									
Tilden	25	2030CST			0	0			Thunderstorm Wind (G55) Numerous trees down.
Chippewa County									
5 SE Chippewa Falls	25	2040CST			0	0			Thunderstorm Wind (G55) Numerous trees down.
Pierce County									
2 SE Ellsworth	25	2050CST			0	0			Hail(0.75)
Dunn County									
Menomonie	25	2100CST			0	0			Hail(0.75)
Pepin County									
Durand	25	2104CST			0	0			Hail(0.75)
Chippewa County									
North Portion	25 26	2105CST 0000CST			0	0			Flash Flood Three to four inches fell quickly, producing street flooding in Bloomer, water over Highways 27 and 64 in Cornell, and a road washout in the town of Birch Creek. Two mudslides also occurred.
Dunn County									
Menomonie	25	2130CST 2300CST			0	0			Flash Flood

Storm Data and Unusual Weather Phenomena

June 2002

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

Nearly four inches of rain fell in less than two hours. Street flooding was the result, including water to three feet on Stokie Parkway

Pepin County

Countywide

25 2230CST
26 0000CST

0 0

Flash Flood

Nearly four inches of rain in less than two hours caused ditches and creeks to overflow, some onto township roads.

WYOMING, Central and West

Sweetwater County

23 S Green River

01 1625MST

0 0

Thunderstorm Wind (G54)^M

Reported by COOP observer at Flaming Gorge Reservoir.

Lincoln County

Kemmerer Muni Arpt

01 1629MST

0 0

Thunderstorm Wind (G53)^M

Lincoln County

Kemmerer

01 1650MST

0 0

Thunderstorm Wind (G70)^M

Wind gust of 80 mph blew trucks off US 30 in Kemmerer.

Sweetwater County

Rock Spgs

01 1704MST

0 0

Thunderstorm Wind (G52)

One car was damaged and one stock truck was blown over. Damage was reported in the north part of Rock Springs. Also, 10 cars were blown off US 191.

Big Horn County

Otto

01 1720MST

0 0

Hail(1.75)

Big Horn County

.5 S Greybull

01 1730MST

0 0

Hail(0.88)

The hail accumulated 3 to 4 inches.

Big Horn County

Greybull

01 1730MST
1800MST

0 0

Flood

Rainfall amounts of 1.25 to 1.75 inches occurred in 20 minutes. There were 6 basements flooded and a business was flooded. Two cars were washed off Greybull River Road. Also, there was flooding along Greybull River Road.

Natrona County

Edgerton

01 1735MST

0 0

Hail(1.00)

Fremont County

26 SW Lander

01 1745MST

0 0

Thunderstorm Wind (G53)^M

Reported at Anderson Ridge RAWS site.

Big Horn County

Greybull

01 1756MST

0 0

Hail(0.75)

Fremont County

33 S Riverton

01 1802MST

0 0

Thunderstorm Wind (G53)^M

Reported at Beaver Rim RAWS site.

Fremont County

3 W Lander

01 1830MST

0 0

Thunderstorm Wind (G52)

Natrona County

15 S Waltman

01 1845MST

0 0

Thunderstorm Wind (G57)^M

Reported at Fales Rock RAWS site.

Washakie County

16 W Worland

02 1139MST

0 0

Hail(1.00)

Washakie County

13 SW Worland

02 1140MST

0 0

Hail(0.75)

Hail reported in Winchester.

Washakie County

Worland

02 1155MST

0 0

Hail(0.75)

Storm Data and Unusual Weather Phenomena

June 2002

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

WYOMING, Central and West

Washakie County							
Ten Sleep	02	1224MST			0	0	Hail(1.75)
Washakie County							
Ten Sleep	02	1227MST			0	0	Hail(0.75)
Washakie County							
5 E Ten Sleep	02	1230MST 1235MST			0	0	Hail(1.00)
Two cars were damaged.							
Johnson County							
26 S Buffalo	02	1326MST			0	0	Hail(0.75)
Johnson County							
8 N Sussex	02	1425MST			0	0	Hail(1.50)
Johnson County							
8 N Sussex	02	1432MST			0	0	Hail(0.88)
Natrona County							
Casper	02	1540MST 1600MST			0	0	Thunderstorm Wind (G61) ^M
Several trees and power lines were blown down. Also, 2 to 3 building roofs were damaged.							
Teton County							
3 W Moran	22	1537MST			0	5	Lightning
A boat was hit by lightning. The lightning blasted a hole in the boat floor.							

WYOMING, Extreme Southwest

NONE REPORTED.

WYOMING, North Central

Sheridan County							
1 W Ucross	08	1818MST			0	0	Hail(0.75)
Sheridan County							
Sheridan Arpt	29	1648MST			0	0	Thunderstorm Wind (G50) ^M

WYOMING, Northeast

Weston County								
3 E Rochelle	01	1905MST			0	0	0	Hail(1.50)
Campbell County								
Wright	01	1920MST			0	0	0	Hail(0.75)
Severe thunderstorms moved across southern portions of Campbell and Weston Counties during the early evening, producing large hail.								
Campbell County								
16 NW Wright	02	1450MST			0	0	0	Hail(0.88)
Campbell County								
7 S Wyodak	02	1510MST			0	0	0	Hail(1.00)
Campbell County								
6 S Rozet	02	1529MST			0	0	0	Hail(0.75)
Weston County								
12 W Upton	02	1530MST 1537MST			0	0	0	Hail(1.00)

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<u>WYOMING, Northeast</u>									
Crook County									
New Haven	02	1545MST			0	0	0		Thunderstorm Wind (G52)
Weston County									
1 N Upton	02	1550MST 1600MST			0	0	0		Hail(1.00)
Crook County									
8 NW Moorcroft	02	1601MST			0	0	0		Thunderstorm Wind (G52)
Weston County									
6 NE Upton	02	1620MST			0	0	0		Hail(0.75)
Weston County									
10 NE Upton	02	1620MST			0	0	0		Thunderstorm Wind (G52)
Weston County									
Four Corners	02	1645MST			0	0	0		Thunderstorm Wind (G52)
Weston County									
Osage	02	1655MST			0	0	0		Hail(0.88)
Weston County									
Osage	02	1709MST			0	0	0		Thunderstorm Wind (G52)
Weston County									
6 NE Newcastle	02	1715MST			0	0	0		Thunderstorm Wind (G52)
Weston County									
3 E Rochelle	02	1800MST			0	0	0		Hail(0.75)
<p>Several severe thunderstorms moved across northeastern Wyoming through the afternoon and evening hours. Large hail and damaging wind gusts were reported with these storms. One mile north of Upton in Weston County one inch sized hail piled up in six inch drifts. A six inch diameter tree limb was blown off in New Haven in Crook County.</p>									
Campbell County									
13 SE Rozet	09	2130MST			0	0	0		Hail(1.50)
Crook County									
12 NE Moorcroft	09	2215MST			0	0	0		Hail(1.00)
Weston County									
16 SW Upton	20	1550MST			0	0	0		Hail(0.75)
Campbell County									
Gillette	20	1805MST			0	0	0		Hail(0.75)
Crook County									
Colony	22	1705MST			0	0	0		Hail(1.00)
<u>WYOMING, Southeast</u>									
Platte County									
5 N Slater	01	1750MST 1754MST			0	0			Hail(0.75)
Goshen County									
Torrington	01	1759MST 63 mph wind gust at airport			0	0			Thunderstorm Wind (G55) ^M
Goshen County									
7 S Torrington	01	1800MST 1804MST			0	0			Hail(1.75)
Niobrara County									
44 N Lusk	02	1823MST 1826MST			0	0			Hail(1.00)

Storm Data and Unusual Weather Phenomena

June 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<u>WYOMING, Southeast</u>									
Niobrara County									
43 NE Lusk	02	1902MST 1905MST			0	0			Hail(0.75)
Platte County									
Glendo	21	1624MST 1628MST			0	0			Hail(1.75)
Albany County									
Laramie	21	1632MST 1650MST			0	0	25K		Dry Microburst
Microburst winds resulted in several downed trees, some onto homes, in Laramie, WY.									
Goshen County									
Torrington	21	1901MST 1920MST			0	0			Dry Microburst