

Storm Data and Unusual Weather Phenomena

January 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, Northeast

INZ003>009-012>018 **La Porte - St. Joseph - Elkhart - Lagrange - Steuben - Noble - De Kalb - Starke - Pulaski - Marshall - Fulton - Kosciusko - Whitley - Allen**

31	0300EST 1600EST				0	1	10K		Ice Storm
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The first major winter storm of the season brought an ice storm to much of Southwest Lower Michigan, Northern Indiana, and extreme Northwest Ohio with ice accumulations from one quarter to over one half inch on trees and power lines, with up to one and one half inches of ice reported in some locations. Roads were ice covered mainly along and north of the Indiana and Michigan state line. Over 250,000 homes were without power at some point during the storm. Trees and power lines were down across the entire area, and AEP electric reported the most outages ever for the Michiana region, surpassing any previous severe weather event. A Pulaski county employee was injured working near a power line. Some customers did not have power restored for over three days. Despite this, actual property damage was quite limited, with only isolated minor damage to some vehicles. Several communities issued state of emergencies for over 48 hours, with the Red Cross and local churches opening shelters.

MICHIGAN, Extreme Southwest

MIZ078

Cass

30	0700EST				0	0	0		Heavy Snow
31	0200EST								

A HAM operator in Cassopolis reported 11 inches of snow during the day of the 30th through the night until the snow changed to freezing rain early on the 31st.

MIZ077>081

Berrien - Cass - St. Joseph - Branch - Hillsdale

31	0300EST 1800EST				0	0	0		Ice Storm
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The first major winter storm of the season brought an ice storm to much of Southwest Lower Michigan, Northern Indiana, and extreme Northwest Ohio with ice accumulations from one quarter to over one half inch on trees and power lines, with more than one and one half inch ice accumulation in some locations. Roads were ice covered mainly along and north of the Indiana and Michigan state line. Over 250,000 homes were without power at some point during the storm with widespread trees and power lines down. AEP electric reported the most outages ever for the Michiana region, surpassing any any previous severe weather event. Some customers did not have power restored for over 3 days. Several communities issued state of emergencies for over 48 hours, with the Red Cross and local churches opening several shelters. Despite the widespread icing, actual property damage was limited to minor vehicle damage.

OHIO, Northwest

OHZ001>002-004

Williams - Fulton - Defiance

31	0300EST 1400EST				0	0	0		Ice Storm
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The first major winter storm of the season brought an ice storm to much of Southwest Lower Michigan, Northern Indiana, and extreme Northwest Ohio with ice accumulations from one quarter to over one half inch on trees and power lines, with accumulations of one and one half inches in some locations. Roads were ice covered mainly along and north of the Indiana and Michigan state line. Over 250,000 homes were without power at some point during the storm with widespread trees and power lines down. AEP electric reported the most outages ever for the Michiana region, surpassing any any previous severe weather event. Some customers did not have power restored for over 3 days. Several communities issued state of emergencies for over 48 hours, with the Red Cross and local churches opening several shelters. Despite the widespread ice accumulation, actual property damage was limited to isolated minor vehicle damage.

Storm Data and Unusual Weather Phenomena

February 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, Northeast

INZ003>006-008-013>016- La Porte - St. Joseph - Elkhart - Lagrange - Noble - Pulaski - Marshall - Fulton - Kosciusko - White - Cass 020-022

	26	0200EST	0	0	Winter Storm
	27	0400EST			

Widespread moderate to heavy snow occurred across portions of northern Indiana. Much of the accumulation that occurred across the area were the result of synoptic snows in association with low pressure that moved through the lower Great Lakes/Ohio Valley. Total snowfall amounts from the area ranged from 6 to 12 inches. The heaviest snow fell in a narrow band covering much of Kosciusko county into extreme southwestern Noble county. A foot of snow was measured at the NWS in Syracuse, with 9 inches in Warsaw. In La Porte and St. Joseph counties, accumulations were a combination of synoptic and lake enhanced snow, with the majority of it falling during the evening of the 26th and early morning hours of the 27th. Accumulations generally ranged from 8 to 12 inches for the entire storm. The South Bend observing site recorded 16.7 inches of snow for the event, with the majority of this lake enhanced snow. Daily snowfall records for the 26th and 27th were broken in South Bend.

MICHIGAN, Extreme Southwest

MIZ077>080 Berrien - Cass - St. Joseph - Branch

	26	0200EST	0	0	Winter Storm
	27	0400EST			

Widespread moderate to heavy snow occurred across extreme southwestern Michigan. Much of the accumulation that occurred in St. Joseph and Branch counties was the result of synoptic snows in association with low pressure that moved through the lower Great Lakes/Ohio Valley. Total snowfall amounts from the area ranged from 5 to 7 inches. In Berrien and Cass counties, accumulations were a combination of synoptic and lake enhanced snow, with the majority of it falling during the evening of the 26th and early morning hours of the 27th. Accumulations ranged from 6-7 inches in Cass county, to 11-12 inches in Berrien county.

Storm Data and Unusual Weather Phenomena

March 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, Northeast

INZ003>004

La Porte - St. Joseph

03 1100EST
04 1100EST

0 0 0

Heavy Snow

An area of low pressure moved across Northern Indiana, bringing with it a mixed bag of precipitation. While only light to moderate accumulations of snow fell across the area as the low moved through, heavy lake effect snow bands set up, bringing from 6 to 8 inches of snow to the area by the morning of the 4th.

INZ003>009-012>018-020-022>027-032>034

La Porte - St. Joseph - Elkhart - Lagrange - Steuben - Noble - De Kalb - Starke - Pulaski - Marshall - Fulton - Kosciusko - Whitley - Allen - White - Cass - Miami - Wabash - Huntington - Wells - Adams - Grant - Blackford - Jay

09 1150CST
1400CST

0 0 0

High Wind (M55)

An unusually strong cold front moved through the region during the daylight hours of the 9th. A strong pressure gradient existed with the front as 3 hour pressure falls of 4 millibars ahead of the front combined with 3 hour pressure rises of 11 millibars. Winds just above the surface ranged from 70 to 80 mph. The combination of these 2 factors was tapped by a narrow line of showers immediately ahead of the cold front. Widespread reports of trees, tree limbs and power lines being blown down were received as surface winds of 50 to 70 mph were experienced by many areas. Damage was mainly confined to the northeast part of the county.

MICHIGAN, Extreme Southwest

MIZ077>078

Berrien - Cass

02 1000EST

0 0 0

Heavy Snow

An area of low pressure moved across Northern Indiana, bringing with it a mixed bag of precipitation. North of the low, a band of moderate to heavy snow fell across Berrien and Cass counties where 6 inches of snow had fallen through 10 am on the 2nd. As the low moved northeast, very cold air moved over the unfrozen waters of southern Lake Michigan, resulting in widespread heavy lake effect snow across the same area. When all was said and done, a total of 6 to 12 inches of snow fell across Berrien and Cass counties.

MIZ077>081

Berrien - Cass - St. Joseph - Branch - Hillsdale

09 1237EST
1415EST

0 0 0

High Wind

An unusually strong cold front moved through the region during the daylight hours of the 9th. A strong pressure gradient existed with the front as 3 hour pressure falls of 4 millibars ahead of the front combined with 3 hour pressure rises of 11 millibars. Winds just above the surface ranged from 70 to 80 mph. The combination of these 2 factors was tapped by a narrow line of showers immediately ahead of the cold front. Widespread reports of trees, tree limbs and power lines being blown down were received as surface winds of 50 to 70 mph were experienced by many areas.

OHIO, Northwest

OHZ001>002-004>005-015>016-024>025

Williams - Fulton - Defiance - Henry - Paulding - Putnam - Van Wert - Allen

09 1410EST
1533EST

0 0 0

High Wind (E63)

An unusually strong cold front moved through the region during the daylight hours of the 9th. A strong pressure gradient existed with the front as 3 hour pressure falls of 4 millibars ahead of the front combined with 3 hour pressure rises of 11 millibars. Winds just above the surface ranged from 70 to 80 mph. The combination of these 2 factors was tapped by a narrow line of showers immediately ahead of the cold front. Widespread reports of trees, tree limbs and power lines being blown down were received as surface winds of 50 to 70 mph were experienced by many areas. 2 miles northeast of Edon, the roof was blown off of a barn. This roof struck a transmission pole, which snapped off. The metal roof then became entangled in the wires. Also, a 90 foot tree that was over 100 years old was uprooted in the area.

Storm Data and Unusual Weather Phenomena

April 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, Northeast

Allen County									
Ft Wayne	12	1840EST			0	0			Hail(0.75)
White County									
5 SSW Brookston	19	2102EST			0	0			Hail(0.75)
Pulaski County									
10 S Winamac	19	2130EST			0	0			Hail(0.75)
Cass County									
Walton	19	2155EST			0	0			Hail(1.00)
Miami County									
Peru	19	2215EST			0	0			Hail(0.75)
Wabash County									
Wabash	19	2236EST			0	0			Hail(0.75)

OHIO, Northwest

Putnam County									
Glandorf	17	1730EST 1830EST			0	0			Hail(0.75)

Storm Data and Unusual Weather Phenomena

May 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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INDIANA, Northeast

Fulton County

Rochester	11	1945EST			0	0	0		Thunderstorm Wind
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Emergency manager reported a few trees down in Rochester.

Elkhart County

Wakarusa	12	0300EST			0	0	100K		Lightning
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Lightning struck a dairy barn in Wakarusa causing a fire that destroyed it. Seven horses and 13 cows were killed.

Cass County

Galveston	25	1352EST			0	0	0		Hail(1.00)
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Miami County

Grissom Afb	25	1355EST			0	0			Hail(0.75)
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Miami County

Grissom Afb	25	1355EST			0	0	0		Thunderstorm Wind (M52)
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Miami County

6 SSE Peru	25	1400EST			0	0	0		Thunderstorm Wind
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A HAM reported numerous trees and power lines down southeast of Peru.

Wabash County

3 W Somerset	25	1405EST			0	0			Hail(0.75)
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Wabash County

3 W Somerset	25	1405EST			0	0	30K		Thunderstorm Wind
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A Law enforcement reported several trees down as well as 2 barns and a silo destroyed.

Wabash County

5 S Wabash	25	1415EST			0	0			Hail(0.75)
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Wabash County

2 N La Fontaine	25	1428EST			0	0			Hail(0.75)
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Huntington County

12 SSW Huntington	25	1445EST			0	0			Hail(0.75)
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Huntington County

6 N Warren	25	1450EST			0	0			Hail(0.88)
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Wells County

2 N Tocsin	25	1510EST			0	0	0		Thunderstorm Wind
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A trained spotter reported large limbs and trees down north of Tocsin.

Grant County

7 S Marion	25	1515EST			0	0			Hail(0.75)
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Adams County

3 NE Decatur	25	1537EST			0	0			Hail(0.75)
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Wells County

Ossian	28	1700EST			0	0			Hail(0.75)
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Allen County

New Haven	28	1730EST			0	0			Hail(0.88)
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Allen County

5 NW Ft Wayne	28	1740EST			0	0			Hail(0.75)
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OHIO, Northwest

Fulton County

Fayette	12	0952EST 1130EST			0	0	0		Flash Flood
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Emergency manager reported 3 homes evacuated and one person rescued from a vehicle due to fast rising flood waters in Fayette.

Storm Data and Unusual Weather Phenomena

May 2002

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

OHIO, Northwest

Fulton County

Fayette

12

**1015EST
1200EST**

0

0

0

Flash Flood

Emergency manager reported primary and secondary roads closed due to flooding. Highway 20 closed with water flowing over it.

Henry County

5 N Okolona

25

1518EST

0

0

Hail(1.00)

Henry County

Florida

25

1520EST

0

0

Hail(1.25)

Henry County

Napoleon

25

1530EST

0

0

Hail(0.75)

Henry County

Napoleon

25

1537EST

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		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<u>INDIANA, Northeast</u>									
Allen County									
Huntertown	03	1205EST			0	0			Hail(1.00)
A trained spotter reported nickel size hail in Huntertown.									
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 Arj	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									
2 NW Huntington	04	1652EST			0	0			Hail(1.75)
Huntington County									
1 N Huntington	04	1652EST			0	0			Hail(0.75)
Huntington County									
2 W Huntington	04	1653EST			0	0			Hail(0.75)
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)

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, Northeast</u>									
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.
<u>MICHIGAN, Extreme Southwest</u>									
Berrien County 2 E Spinks Corners	03	0922EST			0	0	0		Thunderstorm Wind 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)
<u>OHIO, Northwest</u>									
Van Wert County 2 NW Wren	04	1755EST			0	0			Hail(0.75)
Van Wert County 5 SW Van Wert	04	1800EST			0	0			Hail(1.50)
Van Wert County 3 NW Ohio City	04	1807EST			0	0			Hail(1.50)

Storm Data and Unusual Weather Phenomena

July 2002

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
INDIANA, Northeast									
Grant County									
Jonesboro	19	1800EST			0	0	0		Thunderstorm Wind
			Newspaper report of trees and power lines down in Jonesboro.						
La Porte County									
La Porte	22	1634EST			0	0	0		Thunderstorm Wind
			Law enforcement reported power lines down in La Porte.						
La Porte County									
6 N La Porte	22	1638EST			0	0	0		Thunderstorm Wind
			Law enforcement reported large trees down north of La Porte.						
Steuben County									
6 W Fremont	22	1650EST			0	0	1K		Thunderstorm Wind
			Trained spotter reported large trees down west of Fremont near Pleasant Lake. One of the trees was blown down on a home with minor damage.						
Fulton County									
Akron	22	1730EST			0	0	0		Thunderstorm Wind
			Emergency management reported trees down in Akron.						
Cass County									
Onward	22	1752EST			0	0	2K		Thunderstorm Wind
			Emergency management reported trees down and minor roof damage to houses in Onward.						
Miami County									
2 N Peru	22	1755EST			0	0	0		Thunderstorm Wind
			Sheriff reported trees down north of Peru.						
Miami County									
Bunker Hill	22	1817EST			0	0	0		Thunderstorm Wind
			Emergency management reported tress down in Bunker Hill.						
Adams County									
4 ESE Berne	22	2000EST			0	0	0		Thunderstorm Wind
			Emergency management reported power lines down southeast of Berne.						
Grant County									
4 SE Marion	26	1240EST			0	0	0		Thunderstorm Wind
			Law enforcement reported large tree limbs down southeast of Marion.						
Blackford County									
7 ESE Hartford City	26	1250EST			0	0	0		Thunderstorm Wind
			Law enforcement reported power lines down southeast of Hartford City.						
St. Joseph County									
3 S South Bend	26	1545EST			0	0	0		Thunderstorm Wind
			Newspaper report of trees down south of South Bend.						
Fulton County									
Rochester	29	1330EST			0	0	0		Thunderstorm Wind
			Law enforcement reported trees down in Rochester.						
Wabash County									
Treaty	29	1405EST			0	0	0		Thunderstorm Wind
			Local utility reported trees on power lines causing power outages in and around the Treaty area.						
Kosciusko County									
1 N Pierceton	29	1415EST			0	0	0		Thunderstorm Wind
			Local utility reported trees and power lines down north of Pierceton.						
Whitley County									
1 W Columbia City	29	1428EST			0	0	0		Thunderstorm Wind
			HAM radio operator reported trees and power lines down west of Columbia City.						
Fulton County									
Countywide	29	1430EST 1440EST			0	0	0		Thunderstorm Wind

Storm Data and Unusual Weather Phenomena

July 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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INDIANA, Northeast

Law enforcement reported trees down countywide.

Allen County 2 NE Aboite	29	1440EST			0	0	0		Thunderstorm Wind
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Law enforcement reported power lines down near Aboite township.

Allen County Poe	29	1510EST			0	0	0		Thunderstorm Wind
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Law enforcement reported trees down on power lines in Poe.

Jay County Dunkirk	29	1830EST			0	0	0		Thunderstorm Wind
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Newspaper report and photo of large trees down in Dunkirk.

Huntington County Markle	29	1938EST			0	0	80K		Lightning
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Lightning struck a home causing a fire that destroyed half of the roof. Major smoke and water damage occurred to the remainder of the dwelling.

MICHIGAN, Extreme Southwest

Hillsdale County 6 W Hillsdale	22	1530EST			0	0	0		Thunderstorm Wind
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Law Enforcement reported large tree limbs down west of Hillsdale.

Hillsdale County 1 NW Moscow	22	1746EST			0	0	0		Thunderstorm Wind
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Emergency management reported large trees down near Moscow.

Hillsdale County 4 W Reading	22	1746EST			0	0	1K		Thunderstorm Wind
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Emergency management reported a barn was blown down west of Reading.

Branch County Bronson	27	1940EST			0	0	0		Thunderstorm Wind
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Law enforcement reported trees down in Bronson.

Branch County Coldwater	27	1955EST			0	0	0		Thunderstorm Wind
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Law enforcement reported trees down in Coldwater.

Hillsdale County Jonesville	27	2105EST			0	0	0		Thunderstorm Wind
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Emergency management reported power lines down in Jonesville.

OHIO, Northwest

Van Wert County 2 W Van Wert	22	1908EST			0	0	0		Thunderstorm Wind
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Sheriff dispatch reported trees down west of Van Wert.

Henry County 2 N Napoleon	26 27	1230EST 1230EST			0	0	0		Thunderstorm Wind
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Power lines and a pole reported down north of Napoleon.

Defiance County 6 W Defiance	29	1415EST			0	0	2K		Thunderstorm Wind
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Emergency management reported 2 barns with roofs partially taken off as well as trees down west of Defiance.

Defiance County Defiance	29	1418EST			0	0	10K		Thunderstorm Wind
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Emergency management reported minor roof damage to 7 homes in Defiance.

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July 2002

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					Killed	Injured	Property	Crops	
<u>OHIO, Northwest</u>									
Van Wert County									
Willshire	29	1506EST			0	0	0		Thunderstorm Wind
			Emergency management reported power lines down in Van Wert.						
Van Wert County									
Willshire	29	1548EST			0	0	0		Thunderstorm Wind
			Emergency management reported trees down in Willshire.						
Van Wert County									
Van Wert	29	1556EST			0	0	0		Thunderstorm Wind
			Emergency management reported trees down in Van Wert.						
Allen County									
Countywide	29	1606EST			0	0	0		Thunderstorm Wind
			Trees and power lines down reported by emergency management.						
Van Wert County									
Willshire	29	1606EST			0	0	0		Thunderstorm Wind
			Emergency management reported power lines down in Willshire.						
Allen County									
Delphos	29	1620EST			0	0	0		Thunderstorm Wind
			Emergency Management reported numerous trees and power lines down in Delphos.						
Putnam County									
Columbus Grove	29	1635EST			0	0	0		Thunderstorm Wind
			Emergency management reported tress down in Columbus Grove.						
Putnam County									
Ft Jennings	29	1635EST			0	0	0		Thunderstorm Wind
			Emergency management reported trees down in FT Jennings.						
Putnam County									
Pandora	29	1635EST			0	0	0		Thunderstorm Wind
			Emergency management reported trees down in Pandora.						
Putnam County									
Pandora	29	1635EST			0	0	0		Thunderstorm Wind
			Emergency management reported large tree fell onto driveway striking 3 family members. All 3 were treated and released from hospital.						
Putnam County									
Pandora	29	1635EST			0	0	580K		Thunderstorm Wind
			Emergency management reported straight line winds destroyed 3 gym walls and portion of an elementary school wall under construction in Pandora. Walls were cinder block.						
Allen County									
2 SW Cairo	29	1654EST			0	0	1K		Thunderstorm Wind
			Emergency management reported tree limbs down and slight damage to farm equipment southwest of Cairo.						

Storm Data and Unusual Weather Phenomena

August 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>									
La Porte County Michigan City	02	0015EST			0	0	0		Thunderstorm Wind
									Newspaper reported a large tree limb and power lines down in Michigan City.
Elkhart County Elkhart	02	0130EST			0	0	0		Thunderstorm Wind
									Law enforcement reported trees and power lines down in Elkhart.
Lagrange County Countywide to Shipshewana	02	0130EST			0	0	0		Thunderstorm Wind
									Law enforcement reported power lines down countywide.
St. Joseph County Mishawaka	02	0145EST			0	0	0		Thunderstorm Wind
									Law enforcement reported tress and power lines down in Mishawaka.
Elkhart County 2 W Elkhart	02	0450EST			0	0			Hail(1.00)
Elkhart County Elkhart	02	0453EST			0	0			Hail(1.00)
St. Joseph County South Bend	13	1415EST			0	0	0		Thunderstorm Wind
									HAM radio operator reported trees down in South Bend.
<u>MICHIGAN, Extreme Southwest</u>									
Cass County 3 NE Edwardsburg	02	0055EST			0	0	0		Thunderstorm Wind
									Law enforcement reported trees and power lines down northeast of Edwardsburg.
Berrien County Galien	02	0100EST			0	0	0		Thunderstorm Wind
									Law enforcement reported trees and power lines down in Galien.
St. Joseph County Three Rivers	02	0105EST			0	0	0		Thunderstorm Wind
									Law enforcement reported trees and power lines down in Three Rivers.
Hillsdale County Hillsdale	04	1625EST			0	0	0		Thunderstorm Wind
									Law enforcement reported trees and power lines down in Hillsdale.
Hillsdale County 6 E Camden	04	1635EST			0	0	0		Thunderstorm Wind
									Emergency management reported trees and power lines down east of Camden.
Hillsdale County Reading	04	1635EST			0	0	0		Thunderstorm Wind
									Law enforcement reported trees and power lines down in Reading.
St. Joseph County Centreville	13	1335EST			0	0	0		Thunderstorm Wind
									General public reported trees down in Centreville.
St. Joseph County Three Rivers	13	1335EST			0	0	0		Thunderstorm Wind
									General public reported trees down in Three Rivers.
Cass County Union	13	1400EST			0	0	0		Thunderstorm Wind
									Law enforcement reported trees down in Union.
Cass County 5 SW Cassopolis	13	1415EST			0	0	0		Thunderstorm Wind

Storm Data and Unusual Weather Phenomena

September 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>									
Adams County									
5 E Decatur	18	1800EST			0	0	0		Thunderstorm Wind
Emergency management reported a shed was blown over.									
Huntington County									
Huntington	19	1520EST			0	0	0		Thunderstorm Wind
Newspaper reported a tree knocked down onto power line near the Homier Distributing corporate office.									
Miami County									
Macy	19	1535EST			0	0	0		Thunderstorm Wind
Emergency management reported trees blown down.									
Kosciusko County									
Warsaw to Milford	19	1548EST 1555EST			0	0	0		Thunderstorm Wind
Law enforcement reported trees were reported blown down in Warsaw, Leesburg and Milford.									
Noble County									
Ligonier	19	1605EST			0	0	0		Thunderstorm Wind
Law enforcement reported tree limbs knocked down power lines in Ligonier. Power lines were also reported down 4 miles south of Wolcottville.									
Lagrange County									
Topeka	19	1612EST			0	0	0		Thunderstorm Wind
Law enforcement reported 3 trees blown down.									
Elkhart County									
4 S New Paris	19	1615EST			0	0	0		Thunderstorm Wind
An off duty NWS employee reported large tree limbs down.									
Steuben County									
3 S Hamilton	19	1700EST			0	0	0		Thunderstorm Wind
HAM radio operators reported several large tree limbs down.									
Blackford County									
5 SW Hartford City to 5 NE Hartford City	20	1510EST 1520EST	10	75	0	0			Tornado (F1)
NWS officials reported the tornado touched down and lifted numerous times along the path. This tornado was produced by the same parent supercell that produced several tornadoes in the Indianapolis WFO CWA. Most of the damage occurred as it passed through Hartford City. A building at Ag Best, a fertilizer plant, was torn apart. Vehicles were also damaged at this business. The 4-H building suffered damage to its south and east sides. Numerous reports of trees and power lines were noted along the track, with trees falling down across from Southside school in Hartford City.									
Blackford County									
Montpelier	20	1535EST			0	0	0		Thunderstorm Wind
Newspaper reported a large tree was uprooted.									
Jay County									
1 E Dunkirk to Bryant	20	1540EST 1600EST			0	0	0		Thunderstorm Wind
Law enforcement reported trees were uprooted just east of Dunkirk. The storm then caused damage 7 miles northwest of Portland. A barn was leveled as well as tree and chimney damage at one residence. Another barn was leveled and a garage damaged about a mile north of the other destroyed barn. Trees were reported down in Bryant as well.									
Adams County									
4 W Monroe to 6 NE Decatur	20	1545EST 1600EST			0	0	0		Thunderstorm Wind
Emergency management reported several trees were blown down west of Monroe. A few hundred feet from the damage, a trampoline was wrapped around the top of a large tree. A barn was also destroyed 6 miles northeast of Decatur.									
Grant County									
4 E Marion	20	1606EST			0	0	0		Thunderstorm Wind
Ham radio operators reported trees down.									

Storm Data and Unusual Weather Phenomena

September 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, Extreme Southwest

St. Joseph County

Sturgis to Colon	19	1635EST 1645EST			0	0	0		Thunderstorm Wind
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Law enforcement reported trees were reported down on the road in Sturgis, Nottam and Colon.

Branch County

Bronson to Sherwood	19	1650EST 1657EST			0	0	0		Thunderstorm Wind
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Law enforcement reported trees down.

OHIO, Northwest

Van Wert County

Scott to Van Wert	19	1730EST 1732EST			0	0	0		Thunderstorm Wind
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Tree and power lines were blown down in Scott and Van Wert.

Allen County

Spencerville	20	1515EST			0	0			Thunderstorm Wind (M56)
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Emergency management reported a tree down as a result of the wind gust.

Allen County

5 E Delphos	20	1541EST 1542EST	0.1	25	0	0	50K		Tornado (F1)
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Emergency management reported power lines and large trees were blown down. 6 homes suffered shingle and window damage.

Putnam County

1 W Vaughnsville	20	1545EST			0	0	0		Thunderstorm Wind
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Storm spotters reported power lines down in the area.

Van Wert County

Van Wert to 3 NNE Van Wert	20	1615EST 1617EST	4	100	0	0			Tornado (F0)
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County Emergency Management reported the tornado touched down at 300 yards north of Kear Road in the city of Van Wert and 300 yards east of John Brown Road. It continued on the ground for around 4 miles, causing roof damage to 3 homes, as numerous trees twisted and snapped. A barn was also damaged by the tornado. The tornado lifted 1 mile east of US-127 and 1/2 mile north of Convoy Rd. There was another brief touchdown at US-127 and 1/2 mile north of Fife Road, where the tornado traveled roughly 100 yards before dissipating.

Storm Data and Unusual Weather Phenomena

October 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, Northeast

INZ003

La Porte

04	1900EST	0	0	0	High Wind
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Newspaper reported high winds behind a cold front knocked down some power lines in east and central Michigan City.

OHIO, Northwest

OHZ004

Defiance

04	2100EST	0	0	3K	High Wind
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Newspaper reported high winds behind a cold front knocked down a large neon sign at a fast food restaurant on the east side of Defiance.

Storm Data and Unusual Weather Phenomena

November 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, Northeast

Blackford County

5 SW Hartford City to Hartford City **10** **1430EST**
1436EST **5** **100** **0** **3** **250K** **Tornado (F1)**

This tornado touched down 5 miles southwest of Hartford City and then moved into Hartford City before lifting. An NWS ground survey found F0 to F1 damage along its path with F1 damage to a supermarket and a motel. One home and 2 mobile homes were destroyed in Hartford City. 3 persons were injured, none seriously.

Wells County

1 E Petroleum to 1 NE Petroleum **10** **1446EST** **1** **100** **0** **0** **5K** **Tornado (F0)**

This tornado touched down briefly in Wells county just east of Petroleum. An NWS areal survey found F0 damage occurred along a 1 mile path about 100 yards wide mainly to trees. Two small outbuildings were also damaged.

Adams County

2 NE Berne to 1 NE Salem **10** **1459EST**
1505EST **5** **200** **0** **0** **125K** **Tornado (F3)**

This tornado touched down 2 miles northeast of Berne and moved just northeast of Salem before lifting. An NWS ground survey found F3 damage at times 200 yards wide northeast of Berne. Much of the damage was to extremely well built Amish barns and homes. A mobile home was also destroyed near Salem.

Adams County

1 N Decatur **10** **1500EST** **0** **0** **0** **Thunderstorm Wind**

A trained spotter reported numerous trees down just north of Decatur.

Grant County

2 S Upland **10** **1517EST** **0** **0** **0** **Hail(0.88)**

A trained spotter reported nickel size hail south of Upland.

OHIO, Northwest

Van Wert County

3.6 NE Willshire to 6.6 E Scott **10** **1515EST**
1543EST **21.6** **880** **2** **17** **30M** **Tornado (F4)**



This picture is from the back seats of the Twin Cinemas. Cars from the parking lot are shown in the front rows of the cinema and where the projection screen had been. Photo courtesy of Paul Van Dyke.

Storm Data and Unusual Weather Phenomena

November 2002

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

OHIO, Northwest

This tornado touched down in the southwest corner of Van Wert County about 4 miles northeast of Willshire and moved northeast across the western portion of the city of Van Wert, and then crossed U.S. 30 and continued northeast before exiting the county about 7 miles east of Scott. NWS ground and aerial surveys showed the tornado quickly intensified to F4 about 5 miles southwest of the city of Van Wert near Zook road, where a 75 year old male was killed in his home. The tornado continued moving northeast as an F4 into the city of Van Wert, where it hit the Twin Cinemas and the Vision Industrial Park. At this point the tornado was about one half mile wide. 60 persons watching a movie in the cinemas, mostly children, took shelter before the tornado hit, with only minor injuries. Vehicles from the parking lot were thrown into the seats where the children had been sitting. An 18 year old male driving past the cinemas was thrown from his vehicle and killed. The tornado then destroyed five industries in the Vision Industrial Park, before moving north of U.S. 30, producing F4 damage to additional businesses and homes. The tornado weakened to F3 as it moved northeast and crossed into Paulding county. 164 homes were damaged in Van Wert county, and 43 were totally destroyed. 27 businesses sustained damage, with 5 totally destroyed in Vision Park. Three county engineer buildings were destroyed, with one house used by a township. Total damage in Van Wert county was near 30 million dollars. M18VE, M75PH

Paulding County

3 SW Roselms to
2.4 SE Oakwood

10	1543EST 1558EST	9	440	0	5	7M	Tornado (F3)
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This tornado originated in Van Wert county and crossed into Paulding county 3 miles southwest of Roselms and exited Paulding county about 2.5 miles southeast of Oakwood. NWS ground and aerial survey found F3 damage along the entire path in Paulding county, with only one structure remaining standing in the town of Roselms, in which the town residents had taken cover in the basement. Over 70 structures were damaged, with 13 homes, 32 barns, a church, and a township house leveled. Total damage was near 7 million dollars.

Putnam County

4.2 WSW Continental to
4.7 N Continental

10	1558EST 1603EST	7.2	440	2	2	750K	Tornado (F3)
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This tornado originated in Van Wert county and moved across Paulding county into Putnam county about 4 miles west southwest of Continental. NWS ground and aerial survey found F3 damage as the tornado entered Putnam county, striking a mobile home and killing a husband and wife. The tornado moved northeast across the northwest corner of Putnam county, quickly weakening to an F0 as it exited the county 4.5 miles north of Continental. The tornado damaged or destroyed 5 homes and numerous barns along with farm equipment.

M72MH, F67MH

Defiance County

5.3 SE Ayersville to
4.1 SE Ayersville

10	1603EST 1609EST	3	50	0	0	25K	Tornado (F0)
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This tornado originated in Van Wert county and moved across Paulding and Putnam counties before entering the extreme southwest corner of Defiance county about 5 miles southeast of Ayersville. NWS ground and aerial survey found the tornado was skipping, and produced F0 damage to five homes, some trees and a few barns and outbuildings. The tornado then exited Defiance county about 4 miles southeast of Ayersville.

Henry County

6.2 SE Holgate to
2.1 SE Malinta

10	1609EST 1625EST	12	50	0	0	10K	Tornado (F0)
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This tornado originated in Van Wert county and moved across Paulding, Putnam and Defiance counties before entering southwest Henry county about 6 miles southeast of Holgate. NWS ground and aerial survey found the tornado was skipping and producing F0 damage to trees and outbuildings as it moved northwest of Holgate. The tornado continued to move northeast before dissipating about 2 miles southeast of Malinta.

On Sunday, November 10th, 2002 a cold front trailed from a deep surface low over northern Lake Michigan into central Missouri. Ahead of the cold front the KILN (Wilmington, OH) 1200 UTC sounding showed an unstable airmass with CAPE (Convectively Available Potential Energy) of 1148 J/kg and a Storm Relative Helicity (SRH) of 408 m/s². Another sounding at 1800 UTC showed CAPE had increased on a modified sounding to 1313 J/kg, with SRH increasing to 587 m/s². A broken squall line developed from Indianapolis to Fort Wayne Indiana and Defiance Ohio with the cold front. A small low topped supercell developed ahead of the line over Blackford county Indiana and was moving northeast at 50 MPH. This parent supercell produced 3 separate tornadoes in Indiana (see StormData, Indiana, Northeast for more information) before crossing into Ohio. There the supercell intensified and a tornado touched down in Van Wert County Ohio, reaching F4 in strength as it reached the city of Van Wert. The tornado then moved northeast with a total path length of 53 miles, producing F3 damage in Paulding and Putnam counties, and F0 damage in Defiance and Henry counties.

Henry County

2 SE Hamler

10	1630EST			0	0	50K	Thunderstorm Wind (E70)
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Emergency management reported a train was derailed by high winds estimated to be near 80 mph. This wind was likely downburst winds from the collapse of the parent supercell that produce a tornado farther west in Henry minutes earlier.

Storm Data and Unusual Weather Phenomena

November 2002

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

OHIO, Northwest

Allen County

Cairo	10	1634EST			0	0	0		Thunderstorm Wind
Sheriff reported trees and power lines down in Cairo.									

Allen County

Lima	10	1640EST			0	0	0		Thunderstorm Wind
Sheriff reported trees and power lines down in and around Lima.									

Storm Data and Unusual Weather Phenomena

December 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, Northeast

INZ003>009-012>018-020-022>027-032>034 **La Porte - St. Joseph - Elkhart - Lagrange - Steuben - Noble - De Kalb - Starke - Pulaski - Marshall - Fulton - Kosciusko - Whitley - Allen - White - Cass - Miami - Wabash - Huntington - Wells - Adams - Grant - Blackford - Jay**

24	2245EST	0	0	0	0	Heavy Snow
25	1200EST					

Low pressure tracked from Kentucky into Ohio during the overnight hours of Christmas Eve into Christmas Day morning, spreading a large area of snow across the region. Most locations received 6 to 8 inches of snow. A narrow band of 8 to 10 inches occurred from Monticello, to Rochester, to Albion. Isolated reports of 9 inches of snow were received in Adams and Grant counties. Gusty northwest winds created widespread blowing and drifting snow.

MICHIGAN, Extreme Southwest

MIZ077>081 **Berrien - Cass - St. Joseph - Branch - Hillsdale**

25	0600EST	0	0	0	0	Heavy Snow
	1200EST					

Low pressure tracked from Kentucky into Ohio during the overnight hours of Christmas Eve into Christmas Day morning, spreading a large area of snow across the region. Most locations received 6 to 8 inches of snow. A narrow band from southeastern Cass county into western St Joseph county had some local amounts approaching 9 inches. Gusty northwest winds created widespread blowing and drifting snow.

OHIO, Northwest

OHZ001>002-004>005-015>016-024>025 **Williams - Fulton - Defiance - Henry - Paulding - Putnam - Van Wert - Allen**

25	0600EST	0	0	0	0	Heavy Snow
	1200EST					

Low pressure tracked from Kentucky into Ohio during the overnight hours of Christmas Eve into Christmas Day morning, spreading a large area of snow across the region. Reports of 6 to 8 inches of snow were widespread across northwestern Ohio, with most of the snow falling at the rate of an inch or more per hour. The highest amounts were generally southeast of a Napoleon to Van Wert line. Gusty northwest winds behind the low created widespread blowing and drifting for the remainder of the day.