

# Storm Data and Unusual Weather Phenomena

April 2001

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
<b><u>INDIANA, Northeast</u></b>									
<b>Allen County</b>									
<b>Ft Wayne</b>	<b>06</b>	<b>0200EST</b>			<b>0</b>	<b>0</b>	<b>25K</b>		<b>Thunderstorm Wind</b>
									Warehouse at 4413 Dalman Rd had garage door and north wall blown out.
<b>Allen County</b>									
<b>Hessan Castle</b>	<b>06</b>	<b>0205EST</b>			<b>0</b>	<b>0</b>	<b>2K</b>		<b>Thunderstorm Wind</b>
									Fence destroyed. Post driven through a bedroom window. Gutter blown off a house.
<b>Wabash County</b>									
<b>2 E Lagro</b>	<b>07</b>	<b>2320EST</b>			<b>0</b>	<b>0</b>			<b>Hail(0.88)</b>
<b>Elkhart County</b>									
<b>Goshen</b>	<b>08</b>	<b>2318EST</b>			<b>0</b>	<b>0</b>			<b>Hail(1.00)</b>
<b>Cass County</b>									
<b>Walton</b>	<b>09</b>	<b>1729EST</b>			<b>0</b>	<b>0</b>			<b>Hail(0.88)</b>
<b>Miami County</b>									
<b>Grissom Afb</b>	<b>09</b>	<b>1733EST</b>			<b>0</b>	<b>0</b>			<b>Hail(0.88)</b>
<b>Wabash County</b>									
<b>Somerset</b>	<b>09</b>	<b>1733EST</b>			<b>0</b>	<b>0</b>			<b>Hail(0.75)</b>
<b>Cass County</b>									
<b>Onward</b>	<b>09</b>	<b>1735EST</b>			<b>0</b>	<b>0</b>			<b>Hail(1.00)</b>
<b>Miami County</b>									
<b>7 SSW Peru</b>	<b>09</b>	<b>1744EST</b>			<b>0</b>	<b>0</b>			<b>Hail(1.75)</b>
<b>Miami County</b>									
<b>Mexico</b>	<b>09</b>	<b>1745EST</b>			<b>0</b>	<b>0</b>			<b>Hail(1.00)</b>
<b>Miami County</b>									
<b>9 SSE Peru</b>	<b>09</b>	<b>1750EST</b>			<b>0</b>	<b>0</b>			<b>Hail(1.00)</b>
<b>Pulaski County</b>									
<b>3 NW Medaryville</b>	<b>09</b>	<b>1752EST</b>			<b>0</b>	<b>0</b>			<b>Hail(1.75)</b>
<b>Miami County</b>									
<b>Bunker Hill</b>	<b>09</b>	<b>1755EST</b>			<b>0</b>	<b>0</b>			<b>Hail(1.75)</b>
									Several cars were reported damaged by the large hail.
<b>Starke County</b>									
<b>3 SW North Judson</b>	<b>09</b>	<b>1756EST</b>			<b>0</b>	<b>0</b>			<b>Hail(1.75)</b>
<b>Miami County</b>									
<b>1 W Peru</b>	<b>09</b>	<b>1800EST</b>			<b>0</b>	<b>0</b>			<b>Hail(0.75)</b>
<b>Wabash County</b>									
<b>9 S Wabash</b>	<b>09</b>	<b>1823EST</b>			<b>0</b>	<b>0</b>			<b>Hail(0.75)</b>
<b>Grant County</b>									
<b>3 W Marion to Marion</b>	<b>09</b>	<b>1825EST</b>			<b>0</b>	<b>0</b>			<b>Hail(0.88)</b>
<b>Wabash County</b>									
<b>Somerset</b>	<b>09</b>	<b>1829EST</b>			<b>0</b>	<b>0</b>			<b>Hail(0.75)</b>
<b>Grant County</b>									
<b>8 E Marion</b>	<b>09</b>	<b>1845EST</b>			<b>0</b>	<b>0</b>			<b>Hail(1.75)</b>
<b>Grant County</b>									
<b>Marion</b>	<b>09</b>	<b>1845EST</b>			<b>0</b>	<b>0</b>			<b>Hail(0.88)</b>
									Power lines reported blown down.
<b>Cass County</b>									
<b>Lake Cicott</b>	<b>09</b>	<b>1850EST</b>			<b>0</b>	<b>0</b>			<b>Hail(0.75)</b>
<b>Fulton County</b>									
<b>Fulton</b>	<b>09</b>	<b>1856EST</b>			<b>0</b>	<b>0</b>			<b>Hail(1.25)</b>

# Storm Data and Unusual Weather Phenomena

April 2001

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
<b><u>INDIANA, Northeast</u></b>									
<b>Grant County</b>									
Arcana	09	1900EST			0	0	0		Thunderstorm Wind
									Roof blown off a barn.
<b>Miami County</b>									
2 N Peru to Erie	09	1900EST			0	0	50K		Thunderstorm Wind
									Several homes sustained window and siding damage due to the hail and high winds.
<b>Miami County</b>									
Erie	09	1903EST			0	0			Hail(1.75)
<b>Grant County</b>									
Arcana	09	1905EST			0	0			Hail(2.00)
<b>Wabash County</b>									
Somerset	09	1909EST			0	0			Hail(1.25)
<b>Wabash County</b>									
1 SW Wabash	09	1909EST			0	0			Hail(1.00)
<b>Wabash County</b>									
3 S Wabash to 1 S Wabash	09	1909EST			0	0			Hail(0.88)
<b>Blackford County</b>									
2 N Hartford City	09	1920EST			0	0			Hail(4.50)
									Power lines down.
<b>Blackford County</b>									
Hartford City	09	1923EST			0	0			Hail(1.75)
									Golfball size hail reported across the county.
<b>Wabash County</b>									
Somerset	09	1924EST			0	0			Hail(1.00)
<b>Wabash County</b>									
La Fontaine	09	1928EST			0	0			Hail(0.88)
<b>Blackford County</b>									
3 NE Hartford City	09	1930EST			0	0			Hail(0.88)
<b>Grant County</b>									
Marion	09	1930EST			0	0			Hail(1.00)
<b>Grant County</b>									
Arcana	09	1935EST			0	0			Hail(1.75)
<b>Grant County</b>									
Arcana	09	1935EST			0	0	150K		Thunderstorm Wind
									Several roofs reported blown off. Many trees down.
<b>Jay County</b>									
14 NW Portland	09	1940EST			0	0			Hail(1.75)
<b>Jay County</b>									
Pennville	09	1942EST			0	0			Hail(1.75)
<b>De Kalb County</b>									
Auburn	09	1948EST			0	0			Hail(1.00)
									Reported along CR 35 on the east side of Auburn.
<b>Jay County</b>									
Portland	09	1953EST			0	0			Hail(1.75)
<b>Blackford County</b>									
Hartford City	09	1955EST			0	0			Hail(1.75)
<b>Jay County</b>									
Redkey	09	2002EST			0	0	0		Thunderstorm Wind

# Storm Data and Unusual Weather Phenomena

April 2001

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

Trees down.

<b>White County</b> <b>6 W Brookston</b>	<b>09</b>	<b>2255EST</b>			<b>0</b>	<b>0</b>			<b>Hail(0.75)</b>
<b>White County</b> <b>6 W Chalmers</b>	<b>09</b>	<b>2312EST</b>			<b>0</b>	<b>0</b>			<b>Hail(0.75)</b>
<b>Kosciusko County</b> <b>2 N North Webster</b>	<b>10</b>	<b>0058EST</b>			<b>0</b>	<b>0</b>			<b>Hail(0.75)</b>
<b>Noble County</b> <b>Cromwell</b>	<b>10</b>	<b>0110EST</b>			<b>0</b>	<b>0</b>			<b>Hail(0.75)</b>
<b>Noble County</b> <b>Ligonier</b>	<b>10</b>	<b>0117EST</b>			<b>0</b>	<b>0</b>			<b>Hail(1.75)</b>
<b>Lagrange County</b> <b>Topeka</b>	<b>10</b>	<b>0125EST</b>			<b>0</b>	<b>0</b>			<b>Hail(0.75)</b>
<b>White County</b> <b>1 S Reynolds</b>	<b>10</b>	<b>0128EST</b>			<b>0</b>	<b>0</b>			<b>Hail(0.75)</b>
<b>Noble County</b> <b>Rome City</b>	<b>10</b>	<b>0133EST</b>			<b>0</b>	<b>0</b>			<b>Hail(1.75)</b>
<b>Noble County</b> <b>Ligonier</b>	<b>10</b>	<b>0145EST</b>			<b>0</b>	<b>0</b>			<b>Hail(1.25)</b>
<b>Steuben County</b> <b>1 W Salem Center</b>	<b>10</b>	<b>0154EST</b>			<b>0</b>	<b>0</b>			<b>Hail(0.88)</b>
<b>Steuben County</b> <b>Angola</b>	<b>10</b>	<b>0208EST</b>			<b>0</b>	<b>0</b>			<b>Hail(0.88)</b>

Synoptic and mesoscale conditions on April 9th, 2001...

A stalled frontal boundary extended from northern Ohio back west into northeast Missouri with a developing surface low pressure wave near Quincy, Illinois Monday afternoon. This wave intensified late in the afternoon as a shortwave trough embedded within the southern periphery of a significant upper jet maxima of 120 knots over Minnesota pulled out into the upper Midwest. Wind profilers at both Wolcott, Indiana and Winchester, Illinois indicated rapid backing low level winds and increasing speed convergence around 2500 feet coincident with rapid convective initiation along the frontal boundary from Logansport to Rensselaer.

Storms rapidly intensified with CAPES (Convective Available Potential Energy, a measure of parcel buoyancy) south of the frontal boundary up to 3000 J/kg. In addition...several storm scale mergers were observed with a left over outflow boundary from prior convection. Thunderstorm intensification was very rapid owing to the large amount of instability in place along and south of a Monticello to Muncie line. Deep layer shear to 50 knots was more than sufficient for supercell development. Indeed most storms along the outflow boundary exhibited strong rotation...mainly at mid-levels but two storms in particular that moved across Cass, Miami, Grant, Blackford and Jay exhibited persistent, deep rotation with several funnel cloud reports but failed to produce any confirmed tornadoes. However...these two storms did produce prodigious large hail...up to 4.5 inches in diameter just north of Hartford City.

<b>White County</b> <b>Brookston</b>	<b>10</b>	<b>0014EST</b>			<b>0</b>	<b>0</b>			<b>Hail(0.88)</b>
<b>White County</b> <b>Wolcott</b>	<b>10</b>	<b>0014EST</b>			<b>0</b>	<b>0</b>			<b>Hail(0.88)</b>
<b>Kosciusko County</b> <b>1 S Sidney</b>	<b>12</b>	<b>0047EST</b>			<b>0</b>	<b>0</b>	<b>0</b>		<b>Thunderstorm Wind</b>
<b>INZ004&gt;005-014-014 St. Joseph - Elkhart - Marshall</b>									
	<b>12</b>	<b>0700EST</b> <b>1000EST</b>			<b>0</b>	<b>1</b>	<b>0</b>		<b>High Wind (M52)</b>

A large tree and several limbs were blown down in Granger leaving 2600 people without power for a time. An additional 2900 people were without power across the county with several tree limbs blown down on power lines.

# Storm Data and Unusual Weather Phenomena

April 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b><u>INDIANA, Northeast</u></b>									
<b>Cass County</b>									
2 SE Royal Center	23	1506EST			0	0	0		<b>Thunderstorm Wind</b>
One large tree blown down across the road along 400N and US 35.									
<b>Cass County</b>									
5 NW Logansport	23	1508EST			0	0	0		<b>Thunderstorm Wind</b>
Large tree blown down.									
<b>Miami County</b>									
Macy	23	1515EST			0	0	0		<b>Thunderstorm Wind</b>
Large tree limbs down on several roads.									
<b>Miami County</b>									
5 E Peru	23	1515EST			0	0	0		<b>Thunderstorm Wind</b>
Several tree limbs blown down along Wabash road.									
<b>Kosciusko County</b>									
1 NW North Webster	23	1537EST			0	0	0		<b>Thunderstorm Wind</b>
Large limb blown down.									
<b>Starke County</b>									
San Pierre	23	1705EST			0	0	0		<b>Thunderstorm Wind</b>
Large tree blown down taking power lines down with it.									
<b>Pulaski County</b>									
3 S Medaryville	23	1725EST			0	0	0		<b>Thunderstorm Wind</b>
Large tree blown down along US 421.									

# Storm Data and Unusual Weather Phenomena

May 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b><u>INDIANA, Northeast</u></b>									
Adams County 5 SW Berne	15	1600EST			0	0			Hail(0.75)
Adams County 9 NNE Decatur	15	1624EST			0	0			Hail(0.75)
Elkhart County Dunlap	15	1653EST			0	0			Hail(1.00)
Elkhart County Goshen	15	1724EST			0	0			Hail(0.75)
Elkhart County 5 SW Goshen	15	1730EST			0	0	0		Thunderstorm Wind
Three foot diameter tree blown down.									
Elkhart County Goshen	15	1734EST			0	0			Hail(0.75)
West side of Goshen									
Elkhart County Goshen	15	1734EST			0	0			Hail(0.75)
North side of Goshen.									
Elkhart County 1 N Goshen	15	1741EST			0	0			Hail(1.00)
Elkhart County 2 S Goshen	15	1742EST			0	0			Hail(1.00)
Elkhart County Goshen	15	1742EST			0	0			Hail(0.75)
South side of Goshen.									
Elkhart County Goshen	15	1743EST			0	0			Hail(0.75)
Elkhart County 3 S Benton	15	1745EST			0	0			Hail(1.25)
Elkhart County New Paris	15	1752EST			0	0	0		Thunderstorm Wind
Eight inch branches down on north side of New Paris.									
Elkhart County 1 E New Paris	15	1813EST			0	0			Hail(0.75)
Elkhart County Goshen	15	1814EST			0	0	0		Thunderstorm Wind
Trees and 3 to 4 inch limbs down on south side of Goshen.									
Noble County Wolflake	15	1855EST			0	0	0		Thunderstorm Wind
Trees down across road.									
Adams County 9 N Decatur	15	1920EST			0	0			Hail(1.00)
Whitley County Churubusco	15	1920EST			0	0			Hail(0.75)
Adams County 1 NW Decatur	15	1927EST			0	0			Hail(1.00)
Adams County Decatur	15	1928EST			0	0			Hail(0.75)
Adams County 1 NE Decatur	15	1930EST			0	0			Hail(1.25)

# Storm Data and Unusual Weather Phenomena

May 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b>INDIANA, Northeast</b>									
<b>Lagrange County</b>									
<b>1 W Topeka</b>	15	1955EST			0	0			Hail(0.75)
<b>Pulaski County</b>									
<b>Francesville</b>	16	1115EST			0	0			Hail(1.00)
<b>Cass County</b>									
<b>Lake Cicott</b>	16	1307EST			0	0			Hail(1.00)
<b>Cass County</b>									
<b>1 SW Logansport</b>	16	1319EST			0	0			Hail(1.75)
<b>Miami County</b>									
<b>1 NW Santa Fe</b>	16	1449EST			0	0			Hail(0.75)
<b>Cass County</b>									
<b>Galveston</b>	16	1836EST			0	0			Hail(0.88)
<b>Allen County</b>									
<b>1 W Grabill</b>	18	1538EST	0.1	10	0	0	0.50K	0	Tornado (F0) F0 tornado damaged roof of barn. Some debris slightly damaged home.
<b>Miami County</b>									
<b>1 SW Bunker Hill</b>	23	1659EST			0	0			Hail(1.75)
<b>Miami County</b>									
<b>Peru</b>	23	1708EST			0	0			Hail(0.75)
<b>Miami County</b>									
<b>1 N Peru</b>	23	1715EST			0	0			Hail(1.75)
<b>Miami County</b>									
<b>Chili</b>	23	1725EST			0	0			Hail(1.75)
<b>La Porte County</b>									
<b>Michigan City</b>	24	1542EST			0	0			Hail(1.50)
<b>La Porte County</b>									
<b>Michigan City</b>	24	1548EST			0	0			Hail(1.75)
<b>Cass County</b>									
<b>Logansport</b>	26	1603EST			0	0			Hail(0.75)
<b>Miami County</b>									
<b>Peru</b>	26	1622EST			0	0	0		Thunderstorm Wind Power lines down in county.
<b>Marshall County</b>									
<b>Plymouth</b>	26	1630EST			0	0	4K		Thunderstorm Wind Large tree down on roof of house.
<b>Miami County</b>									
<b>Peru</b>	26	1630EST			0	0	0		Thunderstorm Wind Power lines down in county.
<b>Wabash County</b>									
<b>Roann</b>	26	1630EST			0	0			Hail(1.00)
<b>Wabash County</b>									
<b>3 NE Wabash</b>	26	1639EST			0	0	0.10K		Thunderstorm Wind Twelve inch diameter trees snapped off 12 feet above ground. Shed damaged and moved.
<b>Starke County</b>									
<b>4 ESE Knox</b>	26	1642EST			0	0	0		Thunderstorm Wind Tree down across road.
<b>Huntington County</b>									
<b>5 N Huntington</b>	26	1700EST	0.1	10	0	0	0		Tornado (F0) Brief touchdown in field. No damage

# Storm Data and Unusual Weather Phenomena

May 2001

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
----------	------	----------------------------	---------------------------	--------------------------	--------------------------------	---------------------------------	---------------------------------	------------------------------	--------------------

## INDIANA, Northeast

### Wabash County

<b>Wabash</b>	26	1700EST 1701EST	0.1	20	0	0	2.5K		<b>Tornado (F0)</b>
---------------	----	--------------------	-----	----	---	---	------	--	---------------------

F0 tornado damaged ne corner of garage and nearby shed.

### Huntington County

<b>3 NE Roanoke</b>	26	1710EST			0	0	18K		<b>Thunderstorm Wind</b>
---------------------	----	---------	--	--	---	---	-----	--	--------------------------

3 telephone poles down, large tree down, roof damage.

### Allen County

<b>3 WSW Ft Wayne</b>	26	1735EST	0.1	10	0	0	2K		<b>Tornado (F0)</b>
-----------------------	----	---------	-----	----	---	---	----	--	---------------------

Brief touchdown knocked down large trees and power lines. Some roof damage.

### Allen County

<b>Ft Wayne</b>	26	1745EST 1748EST	3	300	0	3	6.5M		<b>Tornado (F2)</b>
-----------------	----	--------------------	---	-----	---	---	------	--	---------------------

Tornado touched down as as F1 at the Northcrest shopping mall on the northwest side of Fort Wayne. Damaged to mall and surrounding businesses. Cars flipped over in parking lot with one person injured. Tornado then briefly lifted and touched down one half mile to the northeast as an F2. Extensive damage to the Papermill subdivision with F2 damage to two homes, an office complex, a retirement home, and a steeple torn off a church. One injury at the retirement home and one in the subdivision. Tornado proceeded northeast with F0-F1 damage to the Concordia Seminary and adjacent structures before the tornado lifted on the northeast side of the Seminary grounds.

### De Kalb County

<b>1 N St Joe</b>	26	1820EST	0.1	10	0	0	0		<b>Tornado (F0)</b>
-------------------	----	---------	-----	----	---	---	---	--	---------------------



*The tornado was caught on film by Joe Carrol near Ryans restaurant looking northeast as it skipped through downtown Fort Wayne. Mainly F1 damage was left in its wake as depicted in the storm damage survey photo on the right. Brief touchdown near CR 56 and CR 59. No damage.*

Synoptic and mesoscale conditions and event summary for Saturday May 26th, 2001

A low topped supercell thunderstorm developed in Cass county Indiana, and moved northeast through the Fort Wayne metropolitan area and into northwest Ohio. This thunderstorm produced several tornadoes and numerous funnel clouds. The wind field was favorable for rotating storms on with strong veering in the KIWX Wind Profile. This was on the south side of a unseasonably cold closed upper low in the mid and upper levels. Surface temperatures in the lower 50s, and scattered showers were against strong thunderstorm development. However sunshine over central Indiana allowed enough heating for a thunderstorm to develop and quickly began rotating.

# Storm Data and Unusual Weather Phenomena

May 2001

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

## MICHIGAN, Extreme Southwest

### Berrien County

<b>Buchanon</b>	07	0135EST			0	0	0		<b>Thunderstorm Wind</b>
			Trees down.						

### Berrien County

<b>Coloma</b>	07	0142EST			0	0	0		<b>Thunderstorm Wind</b>
			Power lines down.						

### Berrien County

<b>Sodus</b>	07	0142EST			0	0	0		<b>Thunderstorm Wind</b>
			Power lines down.						

### St. Joseph County

<b>1 N Sturgis</b>	25	1023EST	0.1	10	0	0	0		<b>Tornado (F0)</b>
			Brief touchdown in field near airline road. No damage.						

## OHIO, Northwest

### Van Wert County

<b>2 N Wren</b>	15	1940EST			0	0			<b>Hail(1.25)</b>
-----------------	----	---------	--	--	---	---	--	--	-------------------

### Van Wert County

<b>Wren</b>	15	1945EST			0	0			<b>Hail(0.75)</b>
-------------	----	---------	--	--	---	---	--	--	-------------------

### Williams County

<b>2 NW Edgerton</b>	26	1845EST	0.1	10	0	0	4K		<b>Tornado (F0)</b>
			Brief touchdown damaged barn, some structural damage to house, tree snapped.						

# Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<b><u>INDIANA, Northeast</u></b>									
<b>St. Joseph County</b> South Bend	11	0115EST			0	0	0		Thunderstorm Wind
			Large trees down blocking road						
<b>La Porte County</b> La Porte	11	0135EST			0	0	0		Thunderstorm Wind
			Large trees uprooted in La Porte						
<b>La Porte County</b> Westville	11	0140EST			0	0	2K		Thunderstorm Wind
			Large tree fell on vehicle, intersection of Plain and Washington. Road closed much of day.						
<b>La Porte County</b> La Porte	12	0030EST			0	0	1K		Thunderstorm Wind
			Back end of 1987 Toyota damaged by large tree branch.						
<b>La Porte County</b> La Porte	12	0030EST			0	0	10K		Thunderstorm Wind
			Large tree crushed a garage and 1991 Cadillac Seville parked inside.						
<b>La Porte County</b> Michigan City	12	0030EST			0	1	15K		Thunderstorm Wind
			Trees fell on 3 houses causing damage. Girl sleeping in one of the homes suffered broken arm when tree fell into bedroom.						
<b>La Porte County</b> Michigan City	12	0030EST			0	0	0		Thunderstorm Wind (E52)
			Trees down in Michigan City. Ham reports 60 MPH gust.						
<b>La Porte County</b> La Porte Arpt	12	0040EST			0	0	0		Thunderstorm Wind (M54)
<b>La Porte County</b> Wanatah	12	0040EST			0	0	2K		Thunderstorm Wind
			150 FT field irrigation system blown from field north side of U.S. 30 across highway.						
<b>St. Joseph County</b> South Bend	12	0056EST			0	0	0		Thunderstorm Wind
			Trees and power lines down in South Bend.						
<b>Marshall County</b> Plymouth	12	0120EST			0	0	3K		Thunderstorm Wind
			Large tree fell near home, knocked down two NIPSCO power poles.						
<b>Starke County</b> 3 W North Judson	12	0125EST			0	0	0		Thunderstorm Wind
			Trees down.						
<b>Starke County</b> North Judson	12	0125EST			0	0	0		Thunderstorm Wind
			Power lines down in North Judson.						
<b>Kosciusko County</b> 4 NNE North Webster	12	0130EST			0	0	0		Thunderstorm Wind (M60)
			60 mph wind gust measured by Off-Duty NWS employee.						
<b>Elkhart County</b> 1 SW Elkhart	12	0135EST			0	0	0		Thunderstorm Wind
			Trees down						
<b>Marshall County</b> Countywide	12	0135EST 0145EST			0	0	10K		Thunderstorm Wind
			Several trees, power lines and power poles down across the county.						
<b>Elkhart County</b> 2 SW Waterford Mills	12	0138EST			0	0	1.5K		Thunderstorm Wind
			Tree down on car.						

# Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<b>INDIANA, Northeast</b>									
<b>Elkhart County</b>									
Goshen	12	0140EST			0	0	10K		Thunderstorm Wind
Five utility poles snapped, numerous car windows broken by fallen tree limbs, Ford Pinto crushed by tree.									
<b>Fulton County</b>									
Countywide	12	0140EST 0145EST			0	0	0		Thunderstorm Wind
Trees and power lines down especially in eastern part of county.									
<b>Pulaski County</b>									
Winamac	12	0140EST			0	0	0		Thunderstorm Wind
Trees and power lines down. Reported by COOP Observer.									
<b>Kosciusko County</b>									
1 NE North Webster	12	0145EST			0	0	0		Thunderstorm Wind
Large tree branches down.									
<b>Kosciusko County</b>									
3 WSW North Webster	12	0145EST			0	0	5K		Thunderstorm Wind
Large tree limb down on house.									
<b>Lagrange County</b>									
Countywide	12	0145EST 0155EST			0	0	0		Thunderstorm Wind
Trees and power lines down scattered throughout the county.									
<b>Noble County</b>									
Ligonier	12	0145EST			0	0	15K		Thunderstorm Wind
Utility poles and large trees down. Minor damage to several homes, uprooted trees destroyed some sidewalks.									
<b>Kosciusko County</b>									
2 SW North Webster	12	0146EST			0	0	3K		Thunderstorm Wind
Several large trees down and boat piers blown onshore in Mead Park.									
<b>Kosciusko County</b>									
North Webster	12	0147EST			0	0	20K		Thunderstorm Wind
Large tree down crushed side of small house.									
<b>Steuben County</b>									
Orland	12	0155EST			0	0	0		Thunderstorm Wind
Trees and power lines down.									
<b>Noble County</b>									
Albion	12	0200EST			0	0			Thunderstorm Wind (E61)
Trees down.									
<b>Noble County</b>									
Kendallville	12	0200EST			0	0	0		Thunderstorm Wind
Trees snapped and uprooted.									
<b>De Kalb County</b>									
1 N Garrett	12	0203EST			0	0	5K		Thunderstorm Wind
Mobile home blown off foundation. Roof damage to some homes.									
<b>De Kalb County</b>									
Butler	12	0205EST			0	0	0.75K		Thunderstorm Wind
Roof blown off porch of house.									
<b>Whitley County</b>									
Tri Lakes	12	0205EST			0	0	0.50K		Thunderstorm Wind
Large limbs down on car.									
<b>Cass County</b>									
Countywide	12	0210EST 0220EST			0	0	0		Thunderstorm Wind
Numerous trees down especially in northern and central part of county.									

# Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<b><u>INDIANA, Northeast</u></b>									
<b>Steuben County</b>									
Countywide	12	0210EST 0220EST			0	0	0		Thunderstorm Wind
			Trees down across the county.						
<b>Wabash County</b>									
Countywide	12	0210EST 0220EST			0	0	0		Thunderstorm Wind
			Trees and power lines down especially in northern part of county.						
<b>White County</b>									
Monticello	12	0210EST			0	0	0		Thunderstorm Wind
			Trees down						
<b>Allen County</b>									
Countywide	12	0215EST 0245EST			0	0	0		Thunderstorm Wind
			Widespread trees and power lines down across the county.						
<b>Steuben County</b>									
2 SW Angola	12	0215EST			0	0	1K		Thunderstorm Wind
			Older barn flattened and windows broken out of home on Golden Lake.						
<b>Huntington County</b>									
Roanoke	12	0220EST			0	0	0		Thunderstorm Wind
			Power lines down						
<b>White County</b>									
Chalmers	12	0220EST			0	0	0		Thunderstorm Wind
			Large limbs down.						
<b>Miami County</b>									
4 W Peru	12	0230EST			0	0	3K		Thunderstorm Wind
			Large tree and telephone poles down.						
<b>Wells County</b>									
Ossian	12	0230EST			0	0	0		Thunderstorm Wind
			Large tree limbs down.						
<b>Wells County</b>									
1 SW Bluffton	12	0245EST			0	0	0		Thunderstorm Wind
			Tree down						
<b>Wells County</b>									
1 SE Bluffton	12	0245EST			0	0	0		Thunderstorm Wind
			Power line down						
<b>Grant County</b>									
Hanfield	12	0250EST			0	0	0		Thunderstorm Wind
			Power lines down						
<b>Grant County</b>									
Marion	12	0300EST			0	0	0		Thunderstorm Wind
			Power lines down						
<b>Grant County</b>									
5 SW Marion	12	0310EST			0	0	0		Thunderstorm Wind
			Two trees down.						
<b>Jay County</b>									
Countywide	12	0315EST			0	0	0		Thunderstorm Wind
			Trees down across the county						
<b>Allen County</b>									
Woodburn	13	1724EST			0	0			Hail(1.75)
<b>Allen County</b>									
3 NW Woodburn	13	1735EST			0	0			Hail(0.75)

# Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b><u>INDIANA, Northeast</u></b>									
<b>Whitley County</b> 3 SE South Whitley	19	1600EST			0	0			Hail(0.75)
<b>Whitley County</b> 5 NE South Whitley	19	1614EST			0	0			Hail(0.88)
<b>Allen County</b> 7 NW Ft Wayne	19	1640EST			0	0			Hail(0.75)
<b>Kosciusko County</b> Piercetown	19	1640EST			0	0			Hail(0.75)
<b>Allen County</b> 2 S Huntertown	19	1644EST			0	0			Hail(0.88)
<b>Allen County</b> 5 NNW Ft Wayne	19	1650EST			0	0			Hail(0.88)
<b>Whitley County</b> 5 S Columbia City	19	1650EST			0	1			Lightning
									12 year old girl struck by lightning. Treated and released from hospital.
<b>Allen County</b> 7 N Ft Wayne	19	1654EST			0	0			Hail(1.00)
<b>Whitley County</b> Churubusco	19	1655EST			0	0			Hail(1.00)
<b>Miami County</b> Mexico	19	1659EST			0	0	2.5K		Thunderstorm Wind
									Numerous trees down. One house damaged.
<b>Allen County</b> 5 NW Ft Wayne	19	1700EST			0	0			Hail(0.88)
<b>Cass County</b> Logansport	19	1700EST			0	0	0		Thunderstorm Wind
									Numerous trees down.
<b>Allen County</b> 2 E Ft Wayne	19	1702EST			0	0			Hail(1.00)
<b>Noble County</b> 2 SE Wolflake	19	1714EST			0	0	0		Thunderstorm Wind
									Trees down on CR 250W.
<b>Whitley County</b> 3 W Etna	19	1727EST			0	0	0		Thunderstorm Wind
									Trees down.
<b>Whitley County</b> 5 N Larwill	19	1727EST			0	0	0		Thunderstorm Wind
									Trees down.
<b>Allen County</b> Ft Wayne	19	1730EST			0	0	0		Thunderstorm Wind
									Power lines down.
<b>Kosciusko County</b> 2 N Piercetown	19	1742EST			0	0			Hail(0.75)
<b>Noble County</b> 2 NE Rome City	19	1744EST			0	0	0		Thunderstorm Wind
									Trees and power lines down.
<b>Whitley County</b> Churubusco	19	1744EST			0	0			Hail(1.00)

# Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b><u>INDIANA, Northeast</u></b>									
<b>Allen County</b>									
Ft Wayne	19	1745EST			0	0			Hail(0.88)
<b>Wabash County</b>									
2 N Disko	19	1745EST			0	0			Hail(1.75)
<b>Noble County</b>									
Rome City	19	1747EST			0	0	5K		Thunderstorm Wind
									Utility pole down on house.
<b>Noble County</b>									
Rome City to 3 S Rome City	19	1755EST			0	0			Hail(1.75)
<b>Whitley County</b>									
3 S Columbia City	19	1756EST			0	0	0		Thunderstorm Wind
									Trees down.
<b>Allen County</b>									
Ft Wayne	19	1758EST			0	0			Hail(1.00)
<b>Allen County</b>									
2 E Ft Wayne	19	1802EST			0	0			Hail(1.00)
<b>Steuben County</b>									
Crooked Lake	19	1810EST			0	0			Hail(0.75)
<b>Steuben County</b>									
Crooked Lake	19	1813EST			0	0	10K		Thunderstorm Wind
									Trees and power lines down. NIPSCO had some broken utility poles.
<b>De Kalb County</b>									
Butler	19	1820EST			0	0			Hail(1.00)
<b>Steuben County</b>									
Crooked Lake	19	1833EST			0	0	0		Thunderstorm Wind
									Trees and power lines down.
<b>Kosciusko County</b>									
5 W North Webster	19	1842EST			0	0	0		Thunderstorm Wind
									Large tree blown down on Armstrong Rd.
<b>Noble County</b>									
Kendallville	19	1900EST			0	0	13.5K		Lightning
									Lightning strikes caused fires at 2 homes.
<b>Lagrange County</b>									
Ontario	19	1904EST			0	0			Hail(1.75)
<b><u>MICHIGAN, Extreme Southwest</u></b>									
<b>Berrien County</b>									
Three Oaks	11	0045EST 1245EST			0	0	0		Thunderstorm Wind
									Large tree limbs down
<b>Berrien County</b>									
3 S Sawyer	12	0027EST			0	0	0		Thunderstorm Wind
									Large trees down between Sawyer and Three Oaks
<b>Cass County</b>									
Countywide	12	0030EST 0100EST			0	0	0		Thunderstorm Wind
									Large trees and and some wires down across the county.
<b>Berrien County</b>									
5 E Benton Center	12	0040EST			0	0	800K		Lightning

# Storm Data and Unusual Weather Phenomena

June 2001

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

## MICHIGAN, Extreme Southwest

Lightning struck the Briarwood apartments in Benton township. 35 residents evacuated. Roof of building and two apartments destroyed, with some damage to other apartments.

<b>Cass County</b>									
<b>Edwardsburg</b>	<b>12</b>	<b>0040EST</b>			<b>0</b>	<b>0</b>	<b>2K</b>		<b>Thunderstorm Wind</b>
			Several trees uprooted and roof blown off barn.						

<b>Cass County</b>									
<b>Union</b>	<b>12</b>	<b>0100EST</b>			<b>0</b>	<b>0</b>	<b>0</b>		<b>Thunderstorm Wind</b>
			Large trees down.						

<b>St. Joseph County</b>									
<b>Countywide</b>	<b>12</b>	<b>0110EST 0125EST</b>			<b>0</b>	<b>0</b>	<b>0</b>		<b>Thunderstorm Wind</b>
			Large trees down throughout the county with Three Rivers and Constantine hardest hit.						

<b>St. Joseph County</b>									
<b>Three Rivers</b>	<b>12</b>	<b>0110EST</b>			<b>0</b>	<b>0</b>	<b>0</b>		<b>Thunderstorm Wind</b>
			Trees down in Three Rivers						

<b>Branch County</b>									
<b>6 NW Coldwater</b>	<b>12</b>	<b>0117EST</b>			<b>0</b>	<b>0</b>	<b>0</b>		<b>Thunderstorm Wind</b>
			Trees down.						

<b>Branch County</b>									
<b>Countywide</b>	<b>12</b>	<b>0140EST 0150EST</b>			<b>0</b>	<b>0</b>	<b>0</b>		<b>Thunderstorm Wind</b>
			Power lines and trees down at scattered locations throughout county.						

<b>Hillsdale County</b>									
<b>7 S Hillsdale</b>	<b>12</b>	<b>0150EST</b>			<b>0</b>	<b>0</b>	<b>0</b>		<b>Thunderstorm Wind</b>
			Trees down. Synoptic and Mesoscale discussion						

At the surface, low pressure was nearly stationary over southeast Minnesota, with a quasi-stationary front extending southeast toward northern Indiana. Thunderstorms on the cool side of the boundary over MN in the afternoon developed into a large scale bow echo across Wisconsin in the evening, which continued southeast across the KIWX warning area between midnight and 4am. A weak low level veering wind profile under warm advection was present ahead of the bow echo. Evening soundings indicated cape of 2000-3800 j/kg. Bow was moving into progressively less unstable airmass and weaker warm advection which resulted in weakening trend as it moved over Northern Indiana, Southwest Michigan and Northwest Ohio. Despite the slow weakening trend low level base velocity on the KIWX 88-D continued to indicate areas of >64kt winds especially over northern and western parts of the warning area.

<b>Hillsdale County</b>									
<b>Hillsdale</b>	<b>19</b>	<b>2015EST</b>			<b>0</b>	<b>0</b>	<b>0</b>		<b>Thunderstorm Wind</b>
			Two trees blown down and transformer knocked out.						

## OHIO, Northwest

<b>Defiance County</b>									
<b>Ney</b>	<b>12</b>	<b>0215EST</b>			<b>0</b>	<b>0</b>	<b>0</b>		<b>Thunderstorm Wind</b>
			One tree down.						

<b>Paulding County</b>									
<b>2 N Payne</b>	<b>12</b>	<b>0230EST</b>			<b>0</b>	<b>0</b>	<b>0</b>		<b>Thunderstorm Wind</b>
			Tree down						

<b>Defiance County</b>									
<b>Independence</b>	<b>12</b>	<b>0235EST</b>			<b>0</b>	<b>0</b>	<b>1K</b>		<b>Thunderstorm Wind</b>
			Telephone pole snapped						

# Storm Data and Unusual Weather Phenomena

June 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b><u>OHIO, Northwest</u></b>									
<b>Paulding County</b>									
Payne	12	0235EST			0	0	0		Thunderstorm Wind
			Tree down.						
<b>Henry County</b>									
Holgate	12	0245EST			0	0	0		Thunderstorm Wind
			Tree down.						
<b>Henry County</b>									
Liberty Center	12	0245EST			0	0	0		Thunderstorm Wind
			Tree down.						
<b>Van Wert County</b>									
Converse to Convoy	12	0250EST			0	0	0		Thunderstorm Wind
			Large branches down.						
<b>Putnam County</b>									
Belmore	12	0310EST			0	0	0		Thunderstorm Wind
			Trees down on power lines.						
<b>Putnam County</b>									
Leipsic	12	0310EST			0	0	0		Thunderstorm Wind
			Trees and power lines down.						
<b>Putnam County</b>									
Pandora	12	0320EST			0	0	0		Thunderstorm Wind
			Tree down.						
<b>Allen County</b>									
1 SW Cairo	12	0340EST			0	0	3K		Thunderstorm Wind
			Telephone poles down.						
<b>Williams County</b>									
5 S Bryan	19	1806EST			0	0			Hail(0.75)
<b>Williams County</b>									
5 W Bryan	19	1828EST			0	0			Hail(1.00)
<b>Fulton County</b>									
Wauseon	19	1843EST			0	0			Hail(0.88)
<b>Fulton County</b>									
Wauseon	19	1844EST			0	0			Hail(1.75)
<b>Fulton County</b>									
2 E Wauseon	19	1845EST			0	0			Hail(1.00)
<b>Fulton County</b>									
1 SE Delta	19	1855EST			0	0			Hail(1.00)
<b>Fulton County</b>									
2 E Delta	19	1902EST			0	0			Hail(1.00)

# Storm Data and Unusual Weather Phenomena

July 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b><u>INDIANA, Northeast</u></b>									
<b>Starke County</b>									
1 S Knox	04	0511EST			0	0			Hail(1.00)
<b>Starke County</b>									
5 E Knox	04	0514EST			0	0			Hail(1.00)
<b>Marshall County</b>									
3 NNE Bourbon	04	0530EST			0	0	0		Thunderstorm Wind Tree down on Cedar Rd. and CR 9B. Large limbs down.
<b>St. Joseph County</b>									
Sbn Michiana Arprt	04	0708EST			0	0			Hail(0.88)
<b>Elkhart County</b>									
1 SW Elkhart	04	0715EST			0	0	0		Thunderstorm Wind Tree down across CR 16 west of SR 19.
<b>Starke County</b>									
Toto	04	1407EST			0	0			Hail(0.88)
<b>Starke County</b>									
North Judson	04	1509EST			0	0			Hail(0.75)
<b>Fulton County</b>									
2 SSE Kewanna	04	1520EST			0	0			Hail(1.00)
<b>Cass County</b>									
2 N Logansport	04	1555EST			0	0	0		Thunderstorm Wind Trees down on power lines.
<b>La Porte County</b>									
Michigan City	07	0645EST			0	0			Urban/Sml Stream Fld Roads flooded in Michigan City with a few stalled vehicles.
<b>Fulton County</b>									
Rochester	07	0737EST			0	1			Lightning One person hit by lightning.
<b>Wabash County</b>									
La Fontaine	07	0745EST			0	0	50K		Lightning A two story wood frame house was destroyed by fire after being struck by lightning. No injuries.
<b>Fulton County</b>									
Akron	07	0819EST			0	0			Hail(1.00)
<b>Grant County</b>									
Marion	07	0850EST			0	0	0		Thunderstorm Wind A large tree was uprooted on the east side of the Grant county fairgrounds. The tree blocked the entrance to the grounds and hit power lines cutting power to the fairgrounds into early afternoon.
<b>Wabash County</b>									
Countywide	07	0900EST			0	0			Urban/Sml Stream Fld Water over roads throughout the county.
<b>Fulton County</b>									
Countywide	07	1000EST			0	0			Urban/Sml Stream Fld Water over roads and some basements flooded especially in the Rochester and Akron areas. Mill Creek in Rochester out of its' banks but did not affect any structures. Many reports of more than 5 inches of rain in 2 to 3 hours.
<b>White County</b>									
3 S Wolcott	08	1628EST			0	0			Thunderstorm Wind (M58)
<b>White County</b>									
Wolcott	08	1630EST			0	0	0		Thunderstorm Wind Several trees down in Wolcott.
<b>Miami County</b>									
1 SW Bunker Hill	08	1709EST			0	0	0		Thunderstorm Wind

# Storm Data and Unusual Weather Phenomena

July 2001

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

Several trees down blocking road.

### Cass County

Clymers	08	1710EST			0	0	5K		Thunderstorm Wind
---------	----	---------	--	--	---	---	----	--	-------------------

Five homes slightly damaged and garage moved off foundation. Trees down throughout town.

### Cass County

Logansport	08	1710EST			0	0	1K		Thunderstorm Wind
------------	----	---------	--	--	---	---	----	--	-------------------

Large tree blown onto garage.

### Miami County

Bunker Hill	08	1710EST			0	0	0		Thunderstorm Wind
-------------	----	---------	--	--	---	---	---	--	-------------------

Numerous trees and power lines down.

### Pulaski County

7 SW Francesville to 8 S Francesville	10	1509EST	1	30	0	0	0		Tornado (F0)
--	----	---------	---	----	---	---	---	--	--------------

Tornado crossed into Pulaski county from Jasper county and traveled for about one mile before lifting. Funnel cloud was visible for another 15 minutes before dissipating near the Pulaski and White county line. Tornado was down in corn field.

### Huntington County

Warren	10	1611EST			0	0	0		Thunderstorm Wind
--------	----	---------	--	--	---	---	---	--	-------------------

Large tree limb down.

### Adams County

Berne	21	1630EST			0	0	0		Thunderstorm Wind
-------	----	---------	--	--	---	---	---	--	-------------------

Power lines down.

### Adams County

Berne	21	1700EST			0	0	0		Urban/Sml Stream Fld
-------	----	---------	--	--	---	---	---	--	----------------------

Up to 4 inches of rain fell in about 1 and 1/2 hours causing most streets to flood and water in some basements.

### Steuben County

Fremont	21	1700EST			0	0	9K		Urban/Sml Stream Fld
---------	----	---------	--	--	---	---	----	--	----------------------

Store located in "a small gully" as described by owner experienced water up to the owners knee after rainfall of around 2 inches in 3 hours. No injuries.

### Wells County

4 W Uniondale	23	2330EST			0	0	25K		Lightning
---------------	----	---------	--	--	---	---	-----	--	-----------

Fire caused by lightning strike gutted 2nd story of wood frame house.

### Grant County

Swayzee	29	0900EST 1100EST			0	0			Urban/Sml Stream Fld
---------	----	--------------------	--	--	---	---	--	--	----------------------

Stalled cars due to high water on SR 13 north of Swayzee and at intersection of SR 26.

## MICHIGAN, Extreme Southwest

### Berrien County

3 S Bridgman	01	1700EST			1	0			Rip Currents
--------------	----	---------	--	--	---	---	--	--	--------------

13 year old girl drowned at Warren Dunes State Park. Police and park rangers believe girl was caught in rip current near shore.  
F131W

### Hillsdale County

Hillsdale	21	1600EST			1	0			Lightning
-----------	----	---------	--	--	---	---	--	--	-----------

Man went outside to check possible lightning damage to barn. While standing outside of barn was hit by lightning and died shortly after at Hillsdale Community Health Center.  
M51OU

# Storm Data and Unusual Weather Phenomena

July 2001

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

<b>Paulding County</b>									
<b>5 W Paulding</b>	<b>10</b>	<b>1515EST</b>			<b>0</b>	<b>0</b>	<b>0.50K</b>		<b>Thunderstorm Wind</b>
			Trees down and windows blown out of house.						
<b>Paulding County</b>									
<b>1 W Paulding</b>	<b>10</b>	<b>1515EST</b>			<b>0</b>	<b>0</b>	<b>0</b>		<b>Thunderstorm Wind</b>
			Trees down and old barn blown over.						
<b>Allen County</b>									
<b>Delphos</b>	<b>10</b>	<b>1545EST</b>			<b>0</b>	<b>0</b>	<b>0</b>		<b>Thunderstorm Wind</b>
			Trees and power lines down.						
<b>Allen County</b>									
<b>5 W Lima</b>	<b>10</b>	<b>1605EST</b>			<b>0</b>	<b>0</b>	<b>0</b>		<b>Thunderstorm Wind</b>
			Trees and power lines down.						
<b>Van Wert County</b>									
<b>Van Wert</b>	<b>21</b>	<b>1537EST</b>			<b>0</b>	<b>0</b>			<b>Thunderstorm Wind (M57)</b>
<b>Van Wert County</b>									
<b>2 N Van Wert</b>	<b>21</b>	<b>1544EST</b>			<b>0</b>	<b>0</b>	<b>0</b>		<b>Thunderstorm Wind</b>
			Trees down.						
<b>Van Wert County</b>									
<b>Van Wert</b>	<b>21</b>	<b>1555EST</b>			<b>0</b>	<b>0</b>	<b>0</b>		<b>Thunderstorm Wind</b>
			Trees down.						
<b>Fulton County</b>									
<b>Metamora</b>	<b>29</b>	<b>2028EST</b>			<b>0</b>	<b>0</b>			<b>Hail(1.00)</b>

# Storm Data and Unusual Weather Phenomena

August 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage	Character of Storm	
					Killed	Injured	Property	Crops	
<b>INDIANA, Northeast</b>									
<b>Grant County</b>									
Gas City	09	1322EST 1425EST			0	0	0		Urban/Sml Stream Fld
Intersections flooded at SR 15 and 22, and SR 9 and 22, and SR 22 and US 35.									
<b>Grant County</b>									
Jonesboro	09	1458EST 1530EST			0	0	0		Flash Flood
US 22 and 35 at CR 400 W impassable up to 1.5 ft of water. Many other roads flooded in Jonesboro. About 10 homes with basement flooding. Factory evacuated and water being pumped out. Vehicle rescue attempted at 10th Street in Jonesboro, occupant made it to safety.									
<b>La Porte County</b>									
Michigan City	09	2140EST			0	0	0		Thunderstorm Wind
Power lines and a tree down.									
<b>St. Joseph County</b>									
Countywide	09	2148EST 2210EST			0	0	0		Thunderstorm Wind
Trees and power lines down across county.									
<b>St. Joseph County</b>									
Sbn Michiana Arprt	09	2210EST			0	0	0		Thunderstorm Wind
Power lines down at entrance to airport on Highway 20.									
<b>Elkhart County</b>									
Wakarusa	09	2220EST			0	0	0		Thunderstorm Wind
Large tree limbs down.									
<b>White County</b>									
Buffalo	18	1459EST			0	0			Hail(1.75)
<b>White County</b>									
Buffalo	18	1459EST			0	0	0		Thunderstorm Wind
Numerous trees down.									
<b>White County</b>									
Chalmers	18	1503EST			0	0			Hail(0.75)
<b>Fulton County</b>									
1 SW Rochester	18	1510EST			0	0			Hail(0.75)
<b>Cass County</b>									
2.5 N Logansport	18	1545EST			0	0	0		Thunderstorm Wind
Trees down.									
<b>Wabash County</b>									
1 S Urbana	18	1600EST			0	0	20K		Thunderstorm Wind
Five utility poles fell across SR 13, blocking traffic for up to two hours as power companies worked to shut off power to live electrical wires. The poles had to be replaced before power could be restored.									
<b>Wabash County</b>									
Wabash	18	1615EST			0	0	25K		Thunderstorm Wind
A tree was blown down in the 200 block of Elm Street, damaging several automobiles. A downed tree blocked the road and downed a power line at 62 W. Harrison Street. Another downed tree blocked the intersection of Hawthorne and Lafayette Streets.									
<b>Cass County</b>									
Galveston	18	1630EST			0	0			Hail(0.88)
Reported by public.									
<b>Miami County</b>									
Wawpecong	18	1635EST			0	0			Hail(0.88)
<b>Huntington County</b>									
Huntington	18	1645EST			0	0	0		Thunderstorm Wind (E60)
Reported by amateur radio operator.									

# Storm Data and Unusual Weather Phenomena

August 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons		Estimated Damage		Character of Storm
					Killed	Injured	Property	Crops	
<b><u>INDIANA, Northeast</u></b>									
<b>Grant County</b>									
<b>Fairmount</b>	18	1700EST			0	0			<b>Hail(0.88)</b>
<b>Grant County</b>									
<b>Mier</b>	18	1700EST			0	0			<b>Hail(0.75)</b>
<b>Huntington County</b>									
<b>Markle</b>	18	1700EST			0	0	0		<b>Thunderstorm Wind</b> Numerous trees and power lines down.
<b>Allen County</b>									
<b>Ft Wayne</b>	18	1705EST 1715EST			0	0	0		<b>Thunderstorm Wind</b> Numerous power lines down and traffic lights out.
<b>Grant County</b>									
<b>Gas City</b>	18	1710EST			0	0			<b>Hail(0.75)</b>
<b>Allen County</b>									
<b>1 NE Ft Wayne</b>	18	1720EST			0	0	2K		<b>Thunderstorm Wind</b> Tree fell on automobile.
<b>Allen County</b>									
<b>1 NE Ft Wayne</b>	18	1725EST			0	0	5K		<b>Thunderstorm Wind</b> Tree fell on house.
<b>Blackford County</b>									
<b>Hartford City</b>	18	1725EST			0	0	0		<b>Thunderstorm Wind</b> Several large limbs down.
<b>Wells County</b>									
<b>Ossian</b>	18	1725EST			0	0	0		<b>Thunderstorm Wind</b> Numerous trees down.
<b>Adams County</b>									
<b>Decatur</b>	18	1730EST			0	0	25K		<b>Thunderstorm Wind</b> The Quality Glass store at 12th Street and Nuttman Avenue had the top section of its roof torn off by a thunderstorm wind gust. Damage to the roof was estimated to be between \$10,000 and \$15,000. Debris from the roof was blown across 12th Street and onto a parked car and into two yards. A power pole behind the building was also damaged and had to be replaced.
<b>Blackford County</b>									
<b>3 SE Hartford City</b>	18	1730EST			0	0	0		<b>Thunderstorm Wind</b> Large limbs down with some blocking road.
<b>Adams County</b>									
<b>Decatur</b>	18	1741EST			0	0			<b>Hail(0.88)</b>
<b>Adams County</b>									
<b>1 N Decatur</b>	18	1745EST			0	0	0		<b>Thunderstorm Wind</b> Numerous power lines down.
<b>Adams County</b>									
<b>1 N Decatur</b>	18	1749EST			0	0			<b>Hail(0.75)</b>
<b>Adams County</b>									
<b>Decatur</b>	18	1749EST			0	0			<b>Thunderstorm Wind (E60)</b>
<b>St. Joseph County</b>									
<b>South Bend</b>	22	0241EST			0	0			<b>Hail(1.75)</b>
<b>Kosciusko County</b>									
<b>Warsaw</b>	22	0415EST			0	0	0		<b>Thunderstorm Wind</b> Tree blown down on SR 25.
<b>Wabash County</b>									
<b>Wabash</b>	22	0505EST			0	0			<b>Hail(0.75)</b>
<b>Wabash County</b>									
<b>North Manchester</b>	22	0514EST			0	0			<b>Hail(0.88)</b>

# Storm Data and Unusual Weather Phenomena

August 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<b>INDIANA, Northeast</b>									
<b>Elkhart County</b>									
Elkhart	22	1530EST			0	1			Lightning
									A 24-year old male was struck by lightning at Flexco Products at 2415 Bryant Street in Elkhart.
<b>Allen County</b>									
5 N Grabill	22	1700EST			0	0			Hail(1.00)
<b>De Kalb County</b>									
Auburn	22	1705EST			0	0	5K		Thunderstorm Wind
									A mobile home on CR 427 was knocked on its side. Large tree limbs crushed the side of the trailer. A newspaper report stated that a citizens' band radio tower, set in cement, also toppled over and bent across the trailer. At another property across the street several trees were knocked down and two large pine trees were uprooted.
<b>Elkhart County</b>									
Goshen	22	1705EST			0	0	0		Thunderstorm Wind
									Tree blown down.
<b>Elkhart County</b>									
Goshen	22	1708EST			0	0	1K		Thunderstorm Wind
									Tree fell onto truck.
<b>Allen County</b>									
Grabill	22	1715EST			0	0			Hail(1.00)
<b>De Kalb County</b>									
2 S Auburn	22	1715EST			0	0	0		Thunderstorm Wind (M75)
									A wind gust at DeKalb County Airport was measured at 75 mph. Strong winds split the trunk of a large tree near a house on DeKalb County Road 60, between the DeKalb County Airport and County Road 427. Winds tore the roof off of a barn east of the airport on DeKalb County Road 60 near the Meese Chapel United Methodist Church. Winds also blew down tents that had been set up at Kruse Auction Park in preparation for the Labor Day weekend classic car auction.
<b>Allen County</b>									
Leo	22	1717EST			0	0			Hail(0.88)
<b>Elkhart County</b>									
Middlebury	22	1718EST			0	0	0		Thunderstorm Wind
									Power lines blown down.
<b>Elkhart County</b>									
Elkhart	22	1720EST			0	0	0		Thunderstorm Wind
									Tree blown down.
<b>Allen County</b>									
Grabill	22	1732EST			0	0			Hail(2.00)
<b>Allen County</b>									
Woodburn	22	1734EST			0	0			Hail(0.75)
<b>Allen County</b>									
Woodburn	22	1740EST			0	0			Hail(1.50)
<b>Allen County</b>									
Harlan	22	1744EST			0	0			Hail(1.75)
<b>Allen County</b>									
Harlan	22	1744EST			0	0	0		Thunderstorm Wind
									Trees down.
<b>Allen County</b>									
Woodburn	22	1744EST			0	0			Hail(2.00)
<b>Allen County</b>									
Zulu	22	1800EST			0	0			Hail(2.50)
<b>Marshall County</b>									
2 NW Plymouth	22	1805EST			0	0	0		Thunderstorm Wind
									Trees blown down.

# Storm Data and Unusual Weather Phenomena

August 2001

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
<b>INDIANA, Northeast</b>									
<b>Lagrange County</b>									
Lagrange	22	1815EST			0	0	0		Thunderstorm Wind
			Trees and power lines down.						
<b>Noble County</b>									
Wawaka	22	1815EST			0	0			Hail(1.75)
<b>Noble County</b>									
Albion	22	1825EST			0	0			Hail(1.00)
<b>Whitley County</b>									
4 NW Columbia City	22	1825EST			0	0			Hail(0.75)
<b>Kosciusko County</b>									
North Webster	22	1830EST			0	0	0		Thunderstorm Wind
			Tree blown down.						
<b>Kosciusko County</b>									
3 SE Syracuse	22	1830EST			0	0	0		Thunderstorm Wind
			Trees blown down.						
<b>Kosciusko County</b>									
Warsaw	22	1830EST			0	0	0		Thunderstorm Wind
			Trees blown down.						
<b>Whitley County</b>									
5 W Columbia City	22	1834EST			0	0			Hail(1.00)
<b>Elkhart County</b>									
Bristol	22	1835EST			0	0	0		Thunderstorm Wind
			Tree blown down.						
<b>Elkhart County</b>									
New Paris	22	1840EST			0	0	0		Thunderstorm Wind
			Tree blown down.						
<b>Whitley County</b>									
5 N Columbia City	22	1841EST			0	0			Hail(2.00)
<b>Whitley County</b>									
5 N Columbia City	22	1841EST			0	0			Thunderstorm Wind (M60)
<b>Whitley County</b>									
2 E Columbia City	22	1850EST			0	0			Hail(0.75)
<b>Elkhart County</b>									
Elkhart	22	1855EST			0	0	0		Thunderstorm Wind
			Tree blown down onto power lines.						
<b>St. Joseph County</b>									
Mishawaka	22	1900EST			0	1			Lightning
			A Mishawaka man was indirectly hit by lightning while sitting on a vinyl chair on his apartment balcony. Lightning apparently hit a gutter on an overhang above him.						
<b>Allen County</b>									
Huntertown	22	1915EST			0	0			Hail(0.88)
<b>Fulton County</b>									
5 NW Rochester	22	1915EST			0	0	0		Thunderstorm Wind
			Trees blown down.						
<b>Kosciusko County</b>									
Warsaw	22	1920EST			0	0	0		Thunderstorm Wind
			Trees blown down.						
<b>Kosciusko County</b>									
15 S Burket	22	1930EST			0	0	50K		Lightning
			Lightning struck a house on CR 900S. When the lightning bolt hit the house items were knocked off the wall and electrical sockets were blown out of the wall. Damage to the residence was estimated at \$50,000.						

# Storm Data and Unusual Weather Phenomena

August 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<b>INDIANA, Northeast</b>									
<b>Kosciusko County</b> 4 SE Oswego	22	1930EST			0	0	0		<b>Thunderstorm Wind</b> Trees blown down.
<b>Kosciusko County</b> 20 S Warsaw	22	1930EST			0	0	20K		<b>Lightning</b> Lightning apparently started a fire which destroyed a barn near the intersection of CR 450S and County Farm Road. The remains of the barn were discovered around 1:20 am EST by a Kosciusko County Sheriff's deputy on routine patrol.
<b>Kosciusko County</b> Warsaw	22	1930EST			0	0	0		<b>Thunderstorm Wind</b> Two oak trees completely uprooted at the corner of High and Market Streets in downtown Warsaw.
<b>Pulaski County</b> Countywide	22	1930EST			0	0	0		<b>Thunderstorm Wind</b> Trees blown down countywide.
<b>Fulton County</b> Countywide	22	1939EST			0	0	0		<b>Thunderstorm Wind</b> Trees and power lines down countywide.
<b>Pulaski County</b> 3 W Winamac	22	1944EST			0	0	10K		<b>Thunderstorm Wind</b> Grain elevator damaged.
<b>Adams County</b> Decatur	22	1947EST			0	0	0		<b>Thunderstorm Wind</b> Trees and power lines blown down.
<b>Fulton County</b> 2 NW Rochester	22	1950EST			0	0	10K		<b>Lightning</b> Lightning struck a wood-frame barn west of Rochester. It burned it to the ground before firefighters could arrive on the scene.
<b>Cass County</b> Logansport	22	2020EST			0	0	0		<b>Thunderstorm Wind</b> Tree blown down.
<b>Cass County</b> Logansport	22	2030EST			0	0	0		<b>Thunderstorm Wind</b> Trees blown down.
<b>Miami County</b> Countywide to Peru	22	2030EST			0	0	0		<b>Thunderstorm Wind</b> Numerous trees and power lines blown down.
<b>Wabash County</b> Wabash	22	2030EST			0	0	500K		<b>Lightning</b> A lightning strike caused a fire at the administration building of North Central Co-op in Wabash. The building is located at the southwest corner of Cass and Fulton Streets. Damage was estimated to be as high as a half million dollars.
<b>Fulton County</b> Rochester	22	2031EST			0	0	5K		<b>Thunderstorm Wind</b> A tree fell on a vehicle in the 1300 block of Madison Street in Rochester. Another tree fell on a vehicle in the 1300 block of Franklin Avenue.
<b>La Porte County</b> Westville	25	1830EST			0	0	0		<b>Thunderstorm Wind</b> Tree blown down on U.S. Hwy 6.
<b>La Porte County</b> 3 SW La Porte	25	1845EST	0.1	20	0	0			<b>Tornado (F0)</b> An F0 tornado touched down in a field approximately 3 miles southwest of the city of La Porte near the intersection of County Roads 400 South and 500 West. The only damage was to corn and beans.
<b>La Porte County</b> 2 SW La Porte	25	1913EST			0	0			<b>Funnel Cloud</b>

# Storm Data and Unusual Weather Phenomena

August 2001

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

### **Miami County**

Converse	30	1615EST			0	0			Hail(0.75)
----------	----	---------	--	--	---	---	--	--	------------

## MICHIGAN, Extreme Southwest

### **Berrien County**

5 SW Bridgman

17	1000EST			1	0			Rip Currents
----	---------	--	--	---	---	--	--	--------------

A 17-year old male drowned while swimming in Lake Michigan at Warren Dunes State Park. Officials at the scene said that wave heights were up to six feet. A rip current apparently pulled him underwater.

M17IW

## OHIO, Northwest

### **Allen County**

2 SW Lima

02	1355EST			0	0	0		Thunderstorm Wind
----	---------	--	--	---	---	---	--	-------------------

Trees down in Shawnee.

### **Van Wert County**

3 SE Convoy

18	1757EST			0	0	0		Thunderstorm Wind
----	---------	--	--	---	---	---	--	-------------------

Power lines down.

### **Williams County**

Bryan

22	1525EST			0	0	10K		Thunderstorm Wind
----	---------	--	--	---	---	-----	--	-------------------

Tree blown down onto trailer.

### **Paulding County**

2 W Mc Gill

22	1744EST			0	0			Hail(1.00)
----	---------	--	--	---	---	--	--	------------

### **Paulding County**

Mc Gill

22	1744EST			0	0			Hail(1.00)
----	---------	--	--	---	---	--	--	------------

### **Paulding County**

1 W Payne

22	1748EST			0	0			Hail(1.00)
----	---------	--	--	---	---	--	--	------------

### **Paulding County**

1 W Mc Gill

22	1800EST			0	0			Hail(2.75)
----	---------	--	--	---	---	--	--	------------

### **Van Wert County**

Wren

22	2020EST			0	0	0		Thunderstorm Wind
----	---------	--	--	---	---	---	--	-------------------

Tree blown down onto power lines.

### **Van Wert County**

Ohio City

22	2030EST			0	0	0		Thunderstorm Wind
----	---------	--	--	---	---	---	--	-------------------

Tree blown down onto power lines.

# Storm Data and Unusual Weather Phenomena

September 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<b><u>INDIANA, Northeast</u></b>									
<b>Elkhart County</b>									
Elkhart	07	1600EST			0	0			<b>Lightning</b> Lightning struck a bank at 100 Easy Shopping Place in Elkhart. A teller at the Bank One drive-through reported receiving a jolt when the building was apparently struck.
<b>Kosciusko County</b>									
3 S Syracuse	07	1625EST			0	0	0		<b>Thunderstorm Wind</b> Numerous trees down.
<b>Noble County</b>									
Ligonier	07	1710EST			0	0	0		<b>Thunderstorm Wind</b> Numerous trees down.
<b>St. Joseph County</b>									
South Bend	08	1312EST			0	0	0		<b>Thunderstorm Wind</b> Tree blown down.
<b>St. Joseph County</b>									
Mishawaka	08	1330EST			0	2			<b>Lightning</b> Two men were struck by lightning while working on a car in Mishawaka.
<b>Wells County</b>									
3 S Bluffton	08	1633EST			0	0	0		<b>Thunderstorm Wind</b> Trees blown down.
<b>Blackford County</b>									
5 N Hartford City	08	1643EST			0	0	0		<b>Thunderstorm Wind</b> Two power poles and power lines blown down.
<b>Steuben County</b>									
1 N Hamilton	09	1743EST			0	0	0		<b>Thunderstorm Wind</b> Tree blown down.
<b>Grant County</b>									
2 SW Marion	23	1717EST			0	0			<b>Hail(0.88)</b>
<b>Grant County</b>									
2 NW Gas City	23	1728EST			0	0	0		<b>Thunderstorm Wind</b> Six trees, each approximately 12 inches in diameter, were blown down.
<b>Grant County</b>									
Countywide	23	1730EST			0	0	0		<b>Thunderstorm Wind</b> High winds brought down numerous power lines across Grant County. As many as 300 people were without power in the Gas City and South Marion areas until around 8:45 pm Sunday night. An additional 200 people were without power throughout the rest of the county.
<b>Grant County</b>									
Gas City	23	1730EST			0	0			<b>Hail(0.75)</b>
<b>Grant County</b>									
Gas City	23	1730EST			0	0	0		<b>Thunderstorm Wind</b> Numerous power and telephone lines blown down.
<b>Grant County</b>									
Marion	23	1730EST			0	0	0		<b>Thunderstorm Wind</b> Two trees blown down on Meridian Street between 50th and 53rd Streets.
<b>Grant County</b>									
Marion	23	1730EST			0	0	2K		<b>Thunderstorm Wind</b> A large tree at 1623 East 37th Street in Marion was blown down by thunderstorm wind gusts. The tree brought down utility lines, damaged a garage roof, and blocked part of a road.

## **MICHIGAN, Extreme Southwest**

<b>St. Joseph County</b>									
Three Rivers	07	1710EST			0	0	0		<b>Thunderstorm Wind</b>

# Storm Data and Unusual Weather Phenomena

September 2001

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

## MICHIGAN, Extreme Southwest

Approximately a dozen trees blown down.

<b>Hillsdale County</b> <b>Reading</b>	<b>07</b>	<b>1831EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Wind</b>
Numerous trees blown down.									
<b>Hillsdale County</b> <b>Hillsdale</b>	<b>07</b>	<b>1841EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Wind</b>
Three power lines blown down.									
<b>Berrien County</b> <b>Buchanon</b>	<b>08</b>	<b>1327EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Wind</b>
Trees blown down.									
<b>Cass County</b> <b>Dowagiac</b>	<b>08</b>	<b>1350EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Wind</b>
Telephone pole blown down.									
<b>St. Joseph County</b> <b>Three Rivers</b>	<b>08</b>	<b>1405EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Wind</b>
Numerous trees and power lines blown down.									
<b>Hillsdale County</b> <b>Reading</b>	<b>09</b>	<b>1745EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Wind</b>
Tree blown down.									
<b>Hillsdale County</b> <b>Countywide</b>	<b>09</b>	<b>1750EST</b> <b>1800EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Wind</b>
Trees and large limbs down.									
<b>Hillsdale County</b> <b>Somerset</b>	<b>09</b>	<b>1750EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Wind</b>
Tree blown down on Somerset Road.									

## OHIO, Northwest

<b>Paulding County</b> <b>Antwerp</b>	<b>08</b>	<b>1800EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Wind</b>
Power lines blown down.									
<b>Paulding County</b> <b>Charloe</b>	<b>08</b>	<b>1800EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Wind</b>
Tree blown down.									
<b>Paulding County</b> <b>Oakwood</b>	<b>08</b>	<b>1800EST</b>			<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>Thunderstorm Wind</b>
Power lines blown down.									

# Storm Data and Unusual Weather Phenomena

October 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<b>INDIANA, Northeast</b>									
<b>La Porte County</b>									
Wanatah to 4 E Rolling Prairie	24	1515EST 1553EST	33	1760	1	0	750K		Tornado (F2)
									F57MH
<b>St. Joseph County</b>									
7 W Westfield to 5 W Westfield	24	1553EST 1555EST	2	150	0	0	250K		Tornado (F0)
									Tornado touched down on the north side of Wanatah in Laporte county and moved northeast into St Joseph county 4 miles east of Rolling Prairie. One woman was killed 4 miles east of Laporte in her mobile home where F2 damage occurred. Most damage was F1 with an average path width of 600 yards.
<b>Starke County</b>									
North Judson	24	1515EST			0	0	0		Thunderstorm Wind
									Law enforcement reported trees and power lines down across much of the western portion of county.
<b>La Porte County</b>									
La Porte	24	1520EST			0	0			Hail(0.75)
<b>White County</b>									
Chalmers	24	1530EST			0	0	0.50K		Thunderstorm Wind
									Trained spotter reported trees down and a TV and Radio tower down in Chalmers.
<b>White County</b>									
Monticello	24	1530EST			0	0	0		Thunderstorm Wind
									Law enforcement reported trees down in Monticello.
<b>Pulaski County</b>									
Star City	24	1536EST			0	0	0		Thunderstorm Wind
									Law enforcement reported trees down near Star City.
<b>Pulaski County</b>									
Thornhope	24	1540EST			0	0	0		Thunderstorm Wind
									Law enforcement reported trees down near Thornhope.
<b>White County</b>									
Countywide	24	1540EST			0	0	15K		Thunderstorm Wind
									Emergency manager reported trees and power lines down countywide with roof damage to several structures including barns and small business facilities.
<b>Starke County</b>									
Grovertown	24	1543EST			0	0	0		Thunderstorm Wind (E61)
									A 70 MPH thunderstorm gust reported by Ham radio operator in Grovertown.
<b>La Porte County</b>									
Stillwell	24	1545EST			0	0	2K		Thunderstorm Wind
									Law enforcement reported roof damage to home and power lines down near Stillwell.
<b>Marshall County</b>									
Countywide	24	1600EST			0	0	0		Thunderstorm Wind
									Newspaper articles reported tree limbs and power lines down across the county.
<b>Fulton County</b>									
Kewanna	24	1601EST			0	0	1K		Thunderstorm Wind
									Law enforcement reported trees down and roof damage to a home and a barn near Kewanna. A shed was also destroyed.
<b>Cass County</b>									
Twelve Mile	24	1605EST			0	0	0		Thunderstorm Wind
									Law enforcement reported trees down near Twelve Mile.
<b>Cass County</b>									
Lucerne	24	1620EST			0	0	0		Thunderstorm Wind
									Law enforcement reported trees down near Lucerne.
<b>St. Joseph County</b>									
3 S Osceola	24	1624EST			0	0	0		Thunderstorm Wind
									HAM radio operator reported trees down near Osceola.

# Storm Data and Unusual Weather Phenomena

October 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Injured	Estimated Damage Property	Crops	Character of Storm
<b>INDIANA, Northeast</b>									
<b>Elkhart County</b>									
Elkhart	24	1630EST			0	0	0		Thunderstorm Wind
Law enforcement reported trees and power lines down in Elkhart.									
<b>Kosciusko County</b>									
2 N North Webster	24	1630EST			0	0			Hail(0.75)
<b>Elkhart County</b>									
Countywide	24	1635EST			0	0	10K		Thunderstorm Wind
Emergency Manager reported trees and power lines down across the county as well as damage to roofs on houses and outbuildings.									
<b>Miami County</b>									
2 W Converse	24	1648EST			0	0			Hail(1.00)
<b>Huntington County</b>									
Roanoke	24	1650EST			0	0	0		Thunderstorm Wind
Law enforcement reported trees down in Roanoke.									
<b>Lagrange County</b>									
Shipshewana	24	1650EST			0	0	0		Thunderstorm Wind
Law enforcement reported trees down in Shipshewana.									
<b>Lagrange County</b>									
5 S Valentine to Valentine	24	1650EST			0	0	2.5K		Thunderstorm Wind
Law enforcement reported a large tree down on house near Valentine.									
<b>Wabash County</b>									
1 NW La Fontaine	24	1650EST			0	0			Hail(0.75)
<b>Whitley County</b>									
2 E Columbia City	24	1650EST			0	0			Hail(1.75)
<b>Grant County</b>									
Mier	24	1655EST			0	0			Thunderstorm Wind (E51)
Trained spotter reported an estimated 60 MPH thunderstorm gust.									
<b>Noble County</b>									
Countywide	24	1700EST			0	0	400K		Thunderstorm Wind
Noble county Fire/rescue reported trees and power lines down across much of the county. Emergency management reported damage to homes from fallen trees and roof damage.									
<b>Whitley County</b>									
Columbia City	24	1704EST			0	0			Hail(1.25)
<b>De Kalb County</b>									
6 NW Waterloo	24	1737EST			0	0	3K		Thunderstorm Wind
HAM radio operator reported roof blown off house near Waterloo.									
<b>Adams County</b>									
5 SE Monroe	24	1750EST			0	0			Hail(0.75)
<b>St. Joseph County</b>									
1 SW Crumstown to 6 NNW South Bend	24	1550EST 1610EST	15	1320	1	2	3M		Tornado (F3)
This tornado touched down just southwest of Crumstown in St Joseph county Indiana and moved northeast into Berrien county Michigan (see Storm Data for Michigan, Extreme Southwest for more information on the end portion of this tornado). In St Joseph county Indiana the most significant damage was across Crumstown, where F3 damage with a path width up to 3/4 mile occurred. The tornado then moved to near the Michiana Regional Airport and across the Indiana Turnpike causing F0-F1 damage. Two men were injured northwest of South Bend. One man later died from his injuries. The tornado moved into Berrien county Michigan 6 miles NNW of South Bend.									
M49BU									
<b>St. Joseph County</b>									
3.8 NW Osceola to 4.7 N Osceola	24	1605EST 1609EST	2.4	50	0	0	300K		Tornado (F1)

# Storm Data and Unusual Weather Phenomena

October 2001

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
----------	------	----------------------------	---------------------------	--------------------------	--------------------------------	---------------------------------	---------------------------------	------------------------------	--------------------

## INDIANA, Northeast

### Elkhart County

3.2 WNW (Ekm)Elkhart 1 N (Ekm)Elkhart Muni	24	1609EST 1613EST	3	50	0	0	50K		Tornado (F0)
---	----	--------------------	---	----	---	---	-----	--	--------------

Tornado touched down near intersection of Douglas and Bittersweet Roads in eastern St Joseph county and skipped northeast into extreme northwest Elkhart county where it crossed the Indiana Toll Road before lifting. Damage included a Toll Road administration building and 2 storage facilities. 9 cars were also damaged in the parking lot.

### St. Joseph County

2 SE Mishawaka to 3.4 NE Osceola	24	1605EST 1608EST	4.5	1320	0	0	1.3M		Tornado (F2)
-------------------------------------	----	--------------------	-----	------	---	---	------	--	--------------

### Elkhart County

4.4 W Elkhart to 4.3 W Elkhart	24	1608EST	0.1	400	0	3	936K		Tornado (F0)
-----------------------------------	----	---------	-----	-----	---	---	------	--	--------------

Tornado touched down southeast of Mishawaka and traveled northeast through the west side of Osceola before moving into Elkhart county northeast of Osceola. F2 damage occurred between Mishawaka and Osceola. The tornado then skipped as it went into Elkhart county causing F0 damage in the Cobus Green mobile home park before lifting.

### Marshall County

2 SE Tippecanoe to 4 E Tippecanoe	24	1615EST 1620EST	3	150	0	0	5K		Tornado (F0)
--------------------------------------	----	--------------------	---	-----	---	---	----	--	--------------

### Kosciusko County

3 N Mentone to 2 NE North Webster	24	1620EST 1650EST	17	150	0	14	2.5M		Tornado (F1)
--------------------------------------	----	--------------------	----	-----	---	----	------	--	--------------

### Noble County

Indian Vlg to Rome City	24	1650EST 1705EST	19	150	0	0	400K		Tornado (F1)
----------------------------	----	--------------------	----	-----	---	---	------	--	--------------

Tornado touched down in extreme southeast Marshall county and moved northeast across Kosciusko county and into Noble county where the tornado dissipated near Rome City. Most significant F1 damage was north of Warsaw Indiana where 14 people were hurt at a factory when a wall collapsed. Most of the damage was F0-F1 along the 33 mile path. Average path width was 150 yards.

### Noble County

1 E Kendallville to 3.8 NE Kendallville	24	1700EST 1711EST	4	300	0	0	1.1M		Tornado (F1)
--	----	--------------------	---	-----	---	---	------	--	--------------

### De Kalb County

3.2 NW Corunna to 1 N Summit	24	1711EST 1726EST	7	440	0	0	1M		Tornado (F2)
---------------------------------	----	--------------------	---	-----	---	---	----	--	--------------

### Steuben County

.5 S Steubenville to 1 N Steubenville	24	1726EST 1728EST	1.5	150	0	0	20K		Tornado (F0)
--	----	--------------------	-----	-----	---	---	-----	--	--------------



*One fatality occurred when an F2 tornado struck this manufactured home 4 miles east of Laporte Indiana.*

# Storm Data and Unusual Weather Phenomena

October 2001

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

Tornado touched down east of Kendallville with F1 damage to homes and warehouses in and near the Kendallville East Industrial park. Tornado then moved northeast into Dekalb county where F2 damage occurred around Fairfield Center with significant damage to homes. Then tornado moved southeast of Ashley with F1 damage and then moved into Steuben county south of Steubenville doing F0 damage to a barn before lifting north of Steubenville.

On Wednesday 10/24/01 a surface low pressure system tracked rapidly northeast from the mid Mississippi Valley to northern Lake Michigan and deepened significantly. The accompanying cold front surged east from the Mississippi Valley during the afternoon to southeast Michigan and western Ohio in the evening. The deepening surface low was the result of a negatively tilted upper level trough approaching the Mississippi Valley. The air mass ahead of the cold front was quite unstable with lifted indices around -5C and surface dewpoints of 65-70F. Strong veering wind fields were over the area with 20-30kt S-SSE flow at the surface veering rapidly in the low levels to southwest at 45kts, then remaining unidirectional above with wind speeds increasing to 65kt at 20,000 ft. An area of Thunderstorms across Illinois in the early afternoon formed into a line as they moved into northwest Indiana. Two strong bow echoes developed over northwest and north central Indiana during the late afternoon and moved northeast at 50 MPH into southern Michigan. Numerous tornadoes occurred in the comma heads of the bow echoes. Isolated supercells ahead of the main squall line produced little severe weather except for a tornado that occurred over northwest Ohio in the evening when the squall line merged with a supercell.

<b>INZ006-017</b>	<b>Lagrange - Whitley</b>						
	25	1000EST 1900EST			0	0	0
							<b>High Wind</b>
<b>INZ032</b>	<b>Grant</b>						
	25	1230EST 1420EST			0	0	0
							<b>High Wind</b>
			Two large trees down in Marion knocked down power lines.				

## MICHIGAN, Extreme Southwest

<b>Berrien County</b>							
<b>Buchanon</b>	24	1600EST			0	0	0
			Law enforcement reported trees down in Buchanon				
							<b>Thunderstorm Wind</b>
<b>St. Joseph County</b>							
<b>Countywide</b>	24	1700EST			0	0	0
			Law enforcement reported trees down countywide.				
							<b>Thunderstorm Wind</b>
<b>Branch County</b>							
<b>Sherwood</b>	24	1730EST			0	0	10K
			Law enforcement reported large power poles down with damage to roofs on a barn and an outbuilding.				
							<b>Thunderstorm Wind</b>
<b>Branch County</b>							
<b>7 N Coldwater</b>	24	1735EST			0	0	2K
			Law enforcement reported trees down and a barn destroyed near Coldwater.				
							<b>Thunderstorm Wind</b>
<b>Hillsdale County</b>							
<b>3 E Camden</b>	24	1800EST			0	0	10K
			Law enforcement reported trees and power lines down near Camden. 3 houses also had roof damage and a shed and a barn were destroyed.				
							<b>Thunderstorm Wind</b>
<b>Hillsdale County</b>							
<b>1 N Frontier</b>	24	1807EST			0	0	0
			Law enforcement reported trees down near Frontier.				
							<b>Thunderstorm Wind</b>
<b>Hillsdale County</b>							
<b>10 E Camden</b>	24	1810EST			0	0	5K
			Law enforcement reported several large grain bins and barns damaged near Camden.				
							<b>Thunderstorm Wind</b>
<b>Berrien County</b>							
<b>6 S Niles to 1 SE Niles</b>	24	1610EST 1615EST	3	440	0	0	750K
							<b>Tornado (F1)</b>
<b>Cass County</b>							
<b>8 W Edwardsburg to 5 E Marcellus</b>	24	1615EST 1645EST	24	440	0	0	5M
							<b>Tornado (F1)</b>

# Storm Data and Unusual Weather Phenomena

October 2001

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
----------	------	----------------------------	---------------------------	--------------------------	--------------------------------	---------------------------------	---------------------------------	------------------------------	--------------------

## MICHIGAN, Extreme Southwest

### St. Joseph County

<b>1 W Howardsville to 1 N Flowerfield</b>	24	1645EST 1650EST	5	440	0	0	100K		<b>Tornado (F0)</b>
--	----	--------------------	---	-----	---	---	------	--	---------------------

This tornado crossed into Berrien county Michigan from St Joseph county Indiana south of Niles (see Storm Data for Indiana, Northeast for more information on the beginning portion of this tornado in Indiana). The tornado tracked northeast across extreme southeast Berrien county, then across Cass county and the northeast corner of St Joseph county Michigan. F1 damage was reported south of Niles, near Edwardsburg, and in Cassopolis. The tornado was skipping as it caused general F0 to F1 damage across northeast Cass county and northwest St Joseph county.

### St. Joseph County

<b>3 SW White Pigeon to 1 N White Pigeon</b>	24	1640EST 1643EST	4	400	0	1	322.2K		<b>Tornado (F1)</b>
--	----	--------------------	---	-----	---	---	--------	--	---------------------

Tornado touched down north of the Elkhart/St Joseph Michigan county line southwest of White Pigeon and skipped northeast before lifting north of White pigeon. F1 damage near SR 131 and SR 12 to buildings and high tension wires.

### St. Joseph County

<b>2 W Colon to 2 E Leonidas</b>	24	1710EST 1713EST	5	400	0	0	100K		<b>Tornado (F1)</b>
--------------------------------------	----	--------------------	---	-----	---	---	------	--	---------------------

Tornado skipped along a 5 mile path. F1 damage included a well constructed barn destroyed with debris thrown about one half mile.

### Hillsdale County

<b>1 SW Ransom to 1 N Ransom</b>	24	1800EST 1802EST	2	60	0	0	350K		<b>Tornado (F1)</b>
--------------------------------------	----	--------------------	---	----	---	---	------	--	---------------------

Tornado with F1 damage mainly on the north side of Ransom. Garages and sheds destroyed and significant roof damage to homes with twisting of signs and trees.

**MIZ077>078-078>079-  
079>080**

### **Berrien - Cass - St. Joseph - Branch**

	25	0900EST 2045EST			0	0	0		<b>High Wind</b>
--	----	--------------------	--	--	---	---	---	--	------------------

Law enforcement reported trees and power lines down in numerous locations across these counties.

## OHIO, Northwest

### Van Wert County

<b>Middle Pt</b>	24	1826EST			0	0			<b>Hail(0.75)</b>
------------------	----	---------	--	--	---	---	--	--	-------------------

### Putnam County

<b>Ottoville</b>	24	1830EST			0	0			<b>Hail(1.75)</b>
------------------	----	---------	--	--	---	---	--	--	-------------------

### Van Wert County

<b>Wetsel</b>	24	1835EST			0	0			<b>Hail(0.75)</b>
---------------	----	---------	--	--	---	---	--	--	-------------------

### Van Wert County

<b>6 E Middle Pt to 9 E Middle Pt</b>	24	1835EST 1840EST	3	440	0	0			<b>Tornado (F0)</b>
---	----	--------------------	---	-----	---	---	--	--	---------------------

### Putnam County

<b>2 SW Ft Jennings to 2 E Belmore</b>	24	1840EST 1912EST	29	440	0	0	1M		<b>Tornado (F3)</b>
--	----	--------------------	----	-----	---	---	----	--	---------------------

Tornado touched down in extreme southeast Van Wert county northwest of Delphos as an F0 and moved northeast into Putnam county southwest of Fort Jennings. F3 damage occurred 2 miles southwest of Ottawa in Putnam county with significant damage to well built homes and structures. The tornado was skipping across northeast Putnam county with F1-F2 damage before lifting just south of the Henry county line east of Belmore.

# Storm Data and Unusual Weather Phenomena

November 2001

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

<b>INZ003</b>	<b>La Porte</b>	<b>16</b>	<b>0700EST</b>		<b>1</b>	<b>0</b>			<b>Fog</b>
	Dense fog was a major factor in an accident at the intersection of SR 39 and U.S. 30 near Hanna, Indiana. A semi pulled out onto U.S. 30 and was struck from behind by a vehicle. The occupant of the vehicle was killed instantly. Sheriff's deputies reported visibility was near zero at the time of the crash.								
	M57VE								
<b>Allen County</b>	<b>Arcola</b>	<b>24</b>	<b>2140EST</b>		<b>0</b>	<b>0</b>	<b>5K</b>		<b>Thunderstorm Wind</b>
	Public reported 2 barns destroyed in Arcola.								
<b>Wells County</b>	<b>Bluffton</b>	<b>24</b>	<b>2140EST</b>		<b>0</b>	<b>0</b>			<b>Hail(0.75)</b>
<b>Allen County</b>	<b>3 W Woodburn</b>	<b>24</b>	<b>2205EST</b>		<b>0</b>	<b>0</b>			<b>Thunderstorm Wind (E52)</b>
	A trained spotter reported a wind gust estimated around 60 mph near Woodburn.								

## MICHIGAN, Extreme Southwest

<b>Hillsdale County</b>	<b>Hillsdale</b>	<b>24</b>	<b>2230EST</b>		<b>0</b>	<b>0</b>	<b>0</b>		<b>Thunderstorm Wind</b>
	Emergency management reported trees down over much of the county.								

# Storm Data and Unusual Weather Phenomena

December 2001

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

**INZ004**

**St. Joseph**

**28 1700EST**  
**29 1700EST**

**0      0**

**Heavy Snow**

A lake effect snow event produced snow bands over much of Southwest Lower Michigan and Northwest Indiana. Snowfall was heaviest across Berrien county Michigan and ST. Joseph county Indiana. Nine inches of snow fell across South Bend and ten inches fell in both Buchanan and Berrien Springs.

## MICHIGAN, Extreme Southwest

**MIZ077>078**

**Berrien - Cass**

**23 2200EST**  
**24 2200EST**

**0      0**

**Heavy Snow**

Heavy lake effect snow began falling across Cass and Berrien counties the evening of December 23rd and continued throughout the day and night of the 24th. Snow accumulations in 24 hrs averaged one foot across the region. Niles in Berrien county reported 8 inches, with 14 inches in Dowagiac the greatest 24 hour total reported. This event was the first major lake effect snow of the season.

**MIZ077**

**Berrien**

**28 1700EST**  
**29 1700EST**

**0      0**

**Heavy Snow**

A lake effect snow event caused widespread snow across Southwest Lower Michigan and Northwest Indiana. The heaviest snow fell across Berrien county Michigan and ST. Joseph county Indiana. Ten inches of snow fell across Buchanan and Berrien Springs and nine inches fell across South Bend.