

## Storm Data and Unusual Weather Phenomena - May 2012

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>INDIANA, South Central</b>				
<b>DUBOIS COUNTY --- IRELAND [38.42, -87.00]</b>				
	05/04/12 14:32 EST		0	Thunderstorm Wind (EG 52 kt)
	05/04/12 14:32 EST		0	Source: Emergency Manager
A trained spotter estimated 60 mph winds just to the west of Jasper.				
<b>DUBOIS COUNTY --- 0.9 SW JASPER [38.39, -86.94]</b>				
	05/04/12 14:35 EST		0	Thunderstorm Wind (EG 52 kt)
	05/04/12 14:35 EST		0	Source: Emergency Manager
Dubois County Emergency Management reported that several trees were downed just to the southeast of Jasper.				
<b>CRAWFORD COUNTY --- ECKERTY [38.32, -86.62]</b>				
	05/04/12 15:00 EST		0	Thunderstorm Wind (EG 52 kt)
	05/04/12 15:00 EST		0	Source: Law Enforcement
From just west of Echarty, law enforcement relayed a report from a spotter of estimated 60 mph winds. Several large limbs were also downed in the same area.				
<b>HARRISON COUNTY --- 1.6 W HANCOCK [38.38, -86.21]</b>				
	05/04/12 15:25 EST		0	Thunderstorm Wind (EG 52 kt)
	05/04/12 15:25 EST		0	Source: Law Enforcement
Local law enforcement reported that some trees were downed near the intersection of Totten Ford and Fredricksburg Roads in western Harrison County.				
<p><b>An overnight Mesoscale Convective Complex over Missouri diminished during the morning hours. However, the southern portion of these decaying showers survived the mid-morning hours and began to strengthen as it entered increasingly unstable air over southern Indiana. This storm developed into a compact bow echo that brought small hail and sporadic damaging winds along a swath from Dubois County east southeast through Harrison County in southern Indiana. This storm threatened the running of the Kentucky Oaks horse race in Louisville Kentucky. However, the bow echo surged out and weakened dramatically just west of the Ohio River.</b></p>				
<b>WASHINGTON COUNTY --- 5.0 W LITTLE YORK [38.70, -85.99]</b>				
	05/04/12 20:23 EST		0	Hail (1.25 in)
	05/04/12 20:23 EST		0	Source: Trained Spotter
<b>JEFFERSON COUNTY --- 1.8 E SALUDA [38.65, -85.47], 2.0 E SALUDA [38.65, -85.46], 1.7 E SALUDA [38.65, -85.47], 1.7 E SALUDA [38.65, -85.47]</b>				
	05/04/12 22:30 EST		0	Flash Flood (due to Heavy Rain)
	05/04/12 22:30 EST		0	Source: Public
Strong thunderstorms briefly trained across southern Jefferson County, Indiana. An estimated 2 to 3 inches of rain fell within a couple of hours. A rural road several hours south of Hanover was briefly closed by flood waters.				
<p><b>Scattered strong storms developed across southern Indiana the evening of May 4th. These storms, aided by ample elevated instability and a developing low level jet, grew upscale into a strong line of storms with would bring heavy rain, excessive lightning and strong gusty winds to all of southern Indiana through the early morning hours on the 5th. A narrow swath of 2 to locally as much as 4 inches of rain fell from near Mitchell in northern Washington County eastward through southern Jefferson County.</b></p>				
<b>DUBOIS COUNTY --- CRYSTAL [38.48, -86.75]</b>				
	05/29/12 03:30 EST		0	Thunderstorm Wind (EG 52 kt)
	05/29/12 03:30 EST		0	Source: Emergency Manager
The Dubois County emergency manager reported several downed trees near Crystal.				
<b>CLARK COUNTY --- CLARKSVILLE [38.32, -85.77], 0.2 WSW CLARKSVILLE [38.32, -85.77], 0.2 SSW CLARKSVILLE [38.32, -85.77], 0.1 ESE CLARKSVILLE [38.32, -85.77]</b>				
	05/29/12 07:28 EST		0	Flash Flood (due to Heavy Rain)
	05/29/12 07:40 EST		0	Source: Law Enforcement
Law enforcement in Jeffersonville reported cars were stalled within several flooded intersections.				

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<b>FLOYD COUNTY --- 1.1 W BLACKISTON MILL [38.33, -85.82], 0.8 WNW BLACKISTON MILL [38.33, -85.81], 0.9 W BLACKISTON MILL [38.33, -85.82], 1.1 W BLACKISTON MILL [38.33, -85.82]</b>				
	05/29/12 08:59 EST	0		Flash Flood (due to Heavy Rain)
	05/29/12 08:59 EST	0		Source: Public

Just north of New Albany, Grant Line Road was flooded near the VFW administrative building.

A weak low level jet and the approach of a surface trough led to the development of numerous thunderstorms during the early morning hours on May 29th. A few storms produced isolated instances of large hail and damaging winds. One slow moving cluster of storms produced excessive rainfall across Floyd and southern Clark Counties, located just across the river from Louisville. Despite antecedent dry conditions, an estimated 3 inches of rain falling within 3 hours produced scattered street flooding.

### KENTUCKY, Central

<b>OHIO COUNTY --- 1.5 NNW RALPH [37.64, -86.86]</b>				
	05/01/12 12:23 CST	0		Hail (1.00 in)
	05/01/12 12:23 CST	0		Source: Trained Spotter

<b>BRECKINRIDGE COUNTY --- CUSTER [37.73, -86.25]</b>				
	05/01/12 13:36 CST	0		Hail (1.00 in)
	05/01/12 13:36 CST	0		Source: Amateur Radio

<b>WASHINGTON COUNTY --- 2.1 NE ST CATHERINE [37.72, -85.22]</b>				
	05/01/12 14:59 EST	0		Hail (1.00 in)
	05/01/12 14:59 EST	0		Source: Trained Spotter

<b>BULLITT COUNTY --- 2.8 WSW BARDSTOWN JCT [37.92, -85.75]</b>				
	05/01/12 15:40 EST	0		Thunderstorm Wind (EG 52 kt)
	05/01/12 15:40 EST	0		Source: Emergency Manager

Bullitt County Emergency Management reported a tree down across a roadway 5 miles south of Shepherdsville.

<b>TRIMBLE COUNTY --- 1.2 SE MT PLEASANT [38.61, -85.36], 1.5 SSW HISLE [38.61, -85.33]</b>				
	05/01/12 15:45 EST	25K		Tornado (EF0, L: 1.86 mi , W: 15 yd)
	05/01/12 15:47 EST	0		Source: NWS Storm Survey

A weak tornado touched down along Mount Pleasant Road to the northwest of Bedford. It snapped the tops off of several trees along a very narrow path. Witnessed by the occupants of a mobile home, it toppled a tree in their yard, crushing a pickup truck. After traveling just under 2 miles the twister lifted near the intersection of Mount Pleasant Road and State Highway 421.

<b>TRIMBLE COUNTY --- 1.4 E LEEPPOINT [38.67, -85.30]</b>				
	05/01/12 15:51 EST	15K		Thunderstorm Wind (EG 65 kt)
	05/01/12 15:51 EST	0		Source: NWS Storm Survey

A storm survey associated with an EF-0 tornado just northwest of Bedford uncovered outflow wind damage 4.5 miles north-northeast of where the west-to-east-tracking tornado had lifted. Winds estimated at 75 mph tore the well constructed roof off of a barn.

A warm front moved north of the Ohio River and was positioned across central Indiana and southern Ohio by late afternoon. Although Kentucky was somewhat capped, isolated severe storms developed during the afternoon and evening of May 1st. One supercell developed across southern Jefferson County, Indiana by late afternoon. This storm brought a weak tornado to Trimble County, Kentucky after it moved east over the Ohio River.

<b>NELSON COUNTY --- 0.5 SE BOURBON SPGS [37.85, -85.47]</b>				
	05/04/12 16:30 EST	0		Thunderstorm Wind (EG 52 kt)
	05/04/12 16:30 EST	0		Source: Trained Spotter

A spotter reported many large branches downed. He estimated a peak wind gust of 60 mph.

A bow echo weakened as it approached the Ohio River just west of Louisville, sparing the crowd of more than 100,000 assembled at Churchill Downs for the running of the Kentucky Oaks. However, the southern edge of this short convective line remained strong and

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<b>brought an isolated damaging wind gust to Nelson County.</b>				
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<b>OHIO COUNTY --- 2.1 SSE MAGAN [37.57, -86.81]</b>				
	05/05/12 01:28 CST		0	Thunderstorm Wind (EG 52 kt)
	05/05/12 01:28 CST		0	Source: Law Enforcement
Local law enforcement just north of Dundee reported several trees down along State Highway 1414, Taffy Road, and Friendship Road.				
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<b>GRAYSON COUNTY --- 0.6 E LEITCHFIELD [37.48, -86.29]</b>				
	05/05/12 02:03 CST		10K	Thunderstorm Wind (EG 56 kt)
	05/05/12 02:03 CST		0	Source: Law Enforcement
Local law enforcement reported several trees down near Leitchfield. In addition, they reported several windows shattered. Other unofficial reports from the public mentioned damage to yard furniture, gutters, and playground equipment.				
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<b>BARREN COUNTY --- 2.5 SSE CAVE CITY [37.10, -85.95]</b>				
	05/05/12 02:40 CST		5K	Thunderstorm Wind (EG 56 kt)
	05/05/12 02:40 CST		0	Source: Public
Thunderstorm winds damaged the roofs of a trailer and a barn on Wilson Road southeast of Cave City.				
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<b>BARREN COUNTY --- 1.6 E GLASGOW [36.98, -85.87], 0.9 E CAVE CITY [37.13, -85.95]</b>				
	05/05/12 02:44 CST		0.20M	Thunderstorm Wind (EG 61 kt)
	05/05/12 03:00 CST		0	Source: NWS Storm Survey
A survey by a National Weather Service employee found a path of straight line damage associated with a series of microbursts that began just east of Cave City, and ended 5 miles southeast of Glasgow. Numerous trees were downed along a path roughly 14 miles long. A lumber warehouse shed was destroyed by estimated 70 mph winds along State Highway 31E in Glasgow.				
In addition, local media reported several 25 to 30 foot trees downed in the Green Valley subdivision of Glasgow along Burkesville Road. A tree was downed on Rosewood Road. Local emergency management reported at least 75 trees were downed from central Barren County eastwards. A house's siding was damaged nearby on Davis Street just east of Glasgow.				
The county emergency manager eventually recorded several dozen damaged barns and homes overall.				
<b>An extensive line of storms developed across southern Indiana during the evening hours on May 4th. This line, associated with very heavy rain and gusty winds up to 40 mph, sagged southeast across northern Kentucky east of Louisville and the Bluegrass Region just after midnight on the 5th. Along the western end of this initial line, additional storms developed across southern Indiana and northern Kentucky along the Ohio River. Some of these storms trained along the same path, bringing very heavy rain to Meade, Hardin, and northern LaRue counties. A portion of the line bowed out and brought extensive damage to trees and homes near Leitchfield, in Grayson County, and Glasgow, in Barren County.</b>				
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<b>MEADE COUNTY --- 2.1 NE SIROCCO [38.00, -86.25]</b>				
	05/29/12 07:22 EST		25K	Thunderstorm Wind (EG 55 kt)
	05/29/12 07:22 EST		0	Source: Trained Spotter
A spotter reported that trees had fallen on two homes near the intersection of Kentucky State Highway 144 and Sirocco Road. He mentioned that two barns were damaged as well.				
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<b>MEADE COUNTY --- 0.5 E DOE VLY ESTATES [38.00, -86.09]</b>				
	05/29/12 07:30 EST		0	Thunderstorm Wind (EG 52 kt)
	05/29/12 07:30 EST		0	Source: NWS Employee
A NWS employee reported trees were down along Kentucky State Highway 1638 close to the Doe Valley subdivision.				
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<b>JEFFERSON COUNTY --- 1.3 W AUDUBON PARK [38.20, -85.75], 1.2 W AUDUBON PARK [38.20, -85.75], 1.1 W AUDUBON PARK [38.20, -85.75], 1.1 W AUDUBON PARK [38.20, -85.75]</b>				
	05/29/12 08:05 EST		5K	Flash Flood (due to Heavy Rain)
	05/29/12 08:05 EST		0	Source: Public
Flooding briefly closed Central Ave near the University of Louisville.				

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<b>JEFFERSON COUNTY --- 1.7 SE LOUISVILLE [38.21, -85.76], 1.5 SE LOUISVILLE [38.21, -85.76], 1.4 ESE LOUISVILLE [38.22, -85.76], 1.5 ESE LOUISVILLE [38.22, -85.76]</b>				
	05/29/12 08:05 EST		20K	Flash Flood (due to Heavy Rain)
	05/29/12 08:05 EST		0	Source: Emergency Manager
The University of Louisville Emergency Manager reported that several buildings on campus sustained minor damage from water entering the lowest floor levels of the buildings.				
<b>JEFFERSON COUNTY --- 0.5 E ST DENNIS [38.22, -85.81], 0.3 ENE ST DENNIS [38.22, -85.81], 0.6 ENE ST DENNIS [38.23, -85.81], 0.7 ENE ST DENNIS [38.22, -85.81]</b>				
	05/29/12 08:06 EST		0	Flash Flood (due to Heavy Rain)
	05/29/12 08:06 EST		0	Source: Broadcast Media
Local media reported flooding along Cane Run Road between Algonquin Parkway and Bells Lane.				
<b>JEFFERSON COUNTY --- 0.7 ESE LOUISVILLE [38.23, -85.77], 0.6 ESE LOUISVILLE [38.23, -85.77], 0.6 ESE LOUISVILLE [38.23, -85.77], 0.7 ESE LOUISVILLE [38.23, -85.77]</b>				
	05/29/12 08:22 EST		5K	Flash Flood (due to Heavy Rain)
	05/29/12 08:22 EST		0	Source: Fire Department/Rescue
The Louisville Fire Department conducted a water rescue at the Hill Street underpass at 7th Street.				
<b>JEFFERSON COUNTY --- 0.5 E LOUISVILLE [38.23, -85.77], 0.6 E LOUISVILLE [38.23, -85.77], 0.6 E LOUISVILLE [38.23, -85.77], 0.5 E LOUISVILLE [38.23, -85.77]</b>				
	05/29/12 08:31 EST		5K	Flash Flood (due to Heavy Rain)
	05/29/12 08:31 EST		0	Source: Fire Department/Rescue
The local Fire Department conducted a water rescue at the intersection of 9th and Magnolia.				
<b>JEFFERSON COUNTY --- 1.3 NW HIGHLANDS [38.25, -85.70], 1.2 NNW HIGHLANDS [38.25, -85.69], 1.2 NNW HIGHLANDS [38.24, -85.69], 1.3 NW HIGHLANDS [38.24, -85.69]</b>				
	05/29/12 08:34 EST		5K	Flash Flood (due to Heavy Rain)
	05/29/12 08:34 EST		0	Source: Fire Department/Rescue
Flooding on Lexington Road stalled several cars.				
<b>JEFFERSON COUNTY --- 1.5 SSE ST DENNIS [38.20, -85.81]</b>				
	05/29/12 08:38 EST		0	Heavy Rain
	05/29/12 08:38 EST		0	Source: Utility Company
Three and one half inches of rain was measured in less than 3 hours at the Louisville Metropolitan Sewer District rain guage.				
<b>JEFFERSON COUNTY --- 0.8 SSW (LOU)BOWMAN FLD LOUI [38.22, -85.67], 0.8 SSE HIGHLANDS [38.22, -85.68], 0.8 SSE HIGHLANDS [38.22, -85.68], 0.8 SSE HIGHLANDS [38.22, -85.68]</b>				
	05/29/12 09:04 EST		0	Flash Flood (due to Heavy Rain)
	05/29/12 09:04 EST		0	Source: Fire Department/Rescue
The local fire department conducted a water rescue at the corner of Lowell Avenue and Tyler Lane.				
<b>JEFFERSON COUNTY --- 1.5 NNW AUDUBON PARK [38.22, -85.74]</b>				
	05/29/12 09:12 EST		0	Heavy Rain
	05/29/12 09:12 EST		0	Source: NWS Employee
A National Weather Service employee measured 3.67 inches of rain in less than 3 hours at the Highlands, a subdivision of Louisville.				
<b>MEADE COUNTY --- 0.5 W BRANDENBURG [38.00, -86.18]</b>				
	05/29/12 09:45 EST		0	Hail (1.00 in)
	05/29/12 09:45 EST		0	Source: Emergency Manager

Scattered early morning convection developed across southern Indiana and Kentucky ahead of a weak cold front sagging south across central Indiana. The combination of a low level jet and relatively weak upper level winds lead to slow moving storms that brought excessive rains and flooding across Louisville and Meade County. Three to locally as much as four inches of rain fell within three hours across an area extending from west of Fort Knox through southwestern and central Louisville through eastern Jefferson County. Many

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streets flooded, prompting several water rescues from stranded automobiles. Several buildings of the University of Louisville were flooded. Isolated wind damage and large hail was also reported with these stronger storms.

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**HANCOCK COUNTY --- 1.5 SSW HAWESVILLE [37.88, -86.76]**

	05/31/12 15:33 CST	0	0	Thunderstorm Wind (EG 50 kt)
	05/31/12 15:33 CST			Source: Emergency Manager

The Hancock emergency manager reported three trees downed across the county. One fell across Midway Lane in Hawesville.

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**BRECKINRIDGE COUNTY --- 0.7 S UNION STAR [37.92, -86.45]**

	05/31/12 16:01 CST	0	0	Hail (1.00 in)
	05/31/12 16:01 CST			Source: Trained Spotter

One inch hail was reported between the towns of Sample and Union Star.

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**BRECKINRIDGE COUNTY --- IRVINGTON [37.88, -86.28]**

	05/31/12 16:18 CST	0	0	Hail (1.00 in)
	05/31/12 16:18 CST			Source: Trained Spotter

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**OHIO COUNTY --- 0.4 E ROSINE [37.45, -86.74]**

	05/31/12 16:42 CST	0	0	Thunderstorm Wind (EG 52 kt)
	05/31/12 16:42 CST			Source: Broadcast Media

Local broadcast media reported a tree down across the Western Kentucky Parkway near Pea Ridge Road.

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**MEADE COUNTY --- BATTLETOWN [38.07, -86.30]**

	05/31/12 17:07 EST	0	0	Thunderstorm Wind (EG 50 kt)
	05/31/12 17:07 EST			Source: Broadcast Media

The local media reported that a six inch diameter branch was snapped by thunderstorm winds.

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**BULLITT COUNTY --- MT WASHINGTON [38.05, -85.55]**

	05/31/12 18:17 EST	0	0	Thunderstorm Wind (MG 50 kt)
	05/31/12 18:17 EST			Source: Trained Spotter

A spotter measured a 58 mph wind gust and witnessed one half inch hail in Mount Washington.

A disturbance moving across southern Missouri aided in the formation of weak low pressure across southern Illinois during the afternoon of May 31st. This low deepened as it tracked eastward along the Ohio River during the evening hours. Ahead of this low, a warm front moved north across central Kentucky during the mid afternoon hours. A high precipitation supercell developed near Evansville, Indiana along the boundary of the retreating warm front. During the late afternoon hours, this storm morphed into a bow echo as it move east, bringing marginally severe hail and isolated wind damage to several counties south and west of Louisville.