

Storm Data and Unusual Weather Phenomena - February 2014

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
----------	-----------	-------------------	---------------------	------------------------

INDIANA, South Central

(IN-Z076) ORANGE, (IN-Z078) SCOTT, (IN-Z079) JEFFERSON, (IN-Z084) CRAWFORD, (IN-Z092) CLARK

02/14/14 15:00 EST	0	Heavy Snow
02/14/14 23:00 EST	0	

An amplifying trough dug southeast towards the Lower Ohio Valley during the afternoon of February 14th. Widespread precipitation developed by mid afternoon as a coupled upper jet aided isentropic ascent ahead of the sharpening upper trough. Mixed precipitation changed to rain by late afternoon along and south of Interstate 64 as temperatures stayed just a bit too warm for snow. Farther north across southern Indiana, several hours of steady snow brought 3 to locally over 5 inches of wet snow.

PERRY COUNTY --- 1.8 WNW SASSAFRAS [38.19, -86.71]

02/20/14 20:57 EST	0	Hail (1.25 in)
02/20/14 20:57 EST	0	Source: Trained Spotter

PERRY COUNTY --- 1.8 NW BRISTOW [38.15, -86.74]

02/20/14 21:01 EST	0	Hail (1.25 in)
02/20/14 21:01 EST	0	Source: Trained Spotter

WASHINGTON COUNTY --- NEW PEKIN [38.50, -86.02]

02/20/14 21:42 EST	0	Thunderstorm Wind (EG 52 kt)
02/20/14 21:42 EST	0	Source: Broadcast Media

Local media relayed a report of an estimated 60 mph wind gust near New Pekin. Several trees were toppled in and around the town.

SCOTT COUNTY --- 2.3 ENE SCOTTSBURG [38.69, -85.73]

02/20/14 22:07 EST	0	Thunderstorm Wind (EG 52 kt)
02/20/14 22:07 EST	0	Source: Emergency Manager

Several trees were downed across the county. One tree was toppled just east of Scottsburg.

An intense cyclone deepened rapidly as it moved from Missouri to Wisconsin during the evening hours of February 20th. Earlier that morning, a warm front moved north into central Indiana, placing Kentucky and southern Indiana firmly into the warm sector. Temperatures rose to near 70, with dewpoints into the mid 50s during the afternoon hours. By evening, a line of storms moved across southern Indiana. Despite limited instability, a strong low level jet contributed to isolated wind damage. Isolated severe hail fell over Perry County.

KENTUCKY, Central

(KY-Z032) TRIMBLE, (KY-Z033) HENRY, (KY-Z037) HARRISON

02/14/14 16:00 EST	0	Heavy Snow
02/14/14 23:00 EST	0	

An amplifying trough dug southeast towards the Lower Ohio Valley during the afternoon of February 14th. Widespread precipitation developed by mid afternoon as a coupled upper jet aided isentropic ascent ahead of the sharpening upper trough. Mixed precipitation changed to rain by late afternoon along and south of Interstate 64 as temperatures stayed just a bit too warm for snow. Farther north, across the northern Bluegrass Region, several hours of steady snow brought 3 to locally over 5 inches of accumulation.

SIMPSON COUNTY --- 1.5 NNE SCHWEIZER [36.69, -86.62]

02/20/14 20:05 CST	0	Thunderstorm Wind (MG 56 kt)
02/20/14 20:05 CST	0	Source: Mesonet

The Kentucky Mesonet site near Franklin measured a 64 mph wind gust.

ALLEN COUNTY --- 0.6 W PETROLEUM [36.70, -86.26]

02/20/14 20:32 CST	0	Thunderstorm Wind (EG 52 kt)
02/20/14 20:32 CST	0	Source: Law Enforcement

Scottsville law enforcement reported several trees down just south of Scottsville.

Storm Data and Unusual Weather Phenomena - February 2014

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ALLEN COUNTY --- HALFWAY [36.80, -86.30]				
	02/20/14 20:33 CST	0		Thunderstorm Wind (EG 60 kt)
	02/20/14 20:33 CST	0		Source: Law Enforcement
Local Law enforcement reported several trees down in Halfway.				
OHIO COUNTY --- ROSINE [37.45, -86.75]				
	02/20/14 21:20 CST	0		Thunderstorm Wind (EG 52 kt)
	02/20/14 21:20 CST	0		Source: Emergency Manager
The Ohio County emergency manager reported that several roads were blocked by downed trees in Rosine.				
CUMBERLAND COUNTY --- 0.9 NE ELLINGTON [36.76, -85.41]				
	02/20/14 21:26 CST	0		Thunderstorm Wind (MG 51 kt)
	02/20/14 21:26 CST	0		Source: Mesonet
The Kentucky Mesonet site near Burkesville measured a 59 mph wind gust.				
ADAIR COUNTY --- 0.6 W COLUMBIA [37.10, -85.31]				
	02/20/14 21:30 CST	0		Thunderstorm Wind (EG 60 kt)
	02/20/14 21:30 CST	0		Source: Emergency Manager
The Adair County emergency manager reported that a tree was downed in Columbia. Numerous power outages were reported around town as well.				
RUSSELL COUNTY --- 0.7 N JAMESTOWN [36.99, -85.07]				
	02/20/14 21:45 CST	0		Thunderstorm Wind (EG 52 kt)
	02/20/14 21:45 CST	0		Source: Broadcast Media
Local media reported numerous power outages near Jamestown.				
FAYETTE COUNTY --- 2.6 ENE LEXINGTON [38.07, -84.46]				
	02/20/14 23:00 EST	0		Thunderstorm Wind (EG 52 kt)
	02/20/14 23:00 EST	0		Source: Law Enforcement
The Lexington Police reported several trees down across town.				
MADISON COUNTY --- 0.1 NW DELPHIA [37.83, -84.45]				
	02/20/14 23:02 EST	0		Thunderstorm Wind (EG 52 kt)
	02/20/14 23:02 EST	0		Source: Emergency Manager
Several trees were downed near the intersection of Carver's Ferry and Charles White Roads. This intersection is just to the southwest of Valley View.				
MADISON COUNTY --- 0.9 SW RICHMOND [37.74, -84.31]				
	02/20/14 23:12 EST	0		Thunderstorm Wind (EG 52 kt)
	02/20/14 23:12 EST	0		Source: Emergency Manager
The Madison County emergency management reported that debris covered a portion of Dayview Road in Richmond.				
FRANKLIN COUNTY --- 1.4 ESE PEAKS MILL [38.29, -84.80]				
	02/20/14 23:38 EST	0		Thunderstorm Wind (EG 52 kt)
	02/20/14 23:38 EST	0		Source: Emergency Manager
Several trees were downed across the county, including one on Sulfur Licks Road north of Frankfort. Another tree was reported down along US 421 north of Frankfort. A trained spotter east of Frankfort measured a 57 mph wind gust.				
<p>An intense cyclone deepened rapidly as it moved from Missouri to Wisconsin during the evening hours of February 20th. Earlier that morning, a warm front moved north into central Indiana, placing Kentucky and southern Indiana firmly into the warm sector. Temperatures rose to near 70, with dewpoints into the mid 50s during the afternoon hours. By evening, two separate lines of storms had moved across central Kentucky. The strongest of the two moved through northern Tennessee and southern Kentucky, and spun up several rotations. Sporadic wind damage stretched along a line from south of Bowling Green through the southern Bluegrass Region.</p>				