

## Storm Data and Unusual Weather Phenomena - June 2014

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<b>ILLINOIS, Northeast</b>				
<b>WINNEBAGO COUNTY --- 0.5 E ROSCOE [42.42, -89.01]</b>				
	06/17/14 00:20 CST		10K	Thunderstorm Wind (EG 60 kt)
	06/17/14 00:20 CST		0	Source: Law Enforcement
A few trees were uprooted and a branch fell through a home.				
<b>WINNEBAGO COUNTY --- ROCKTON [42.45, -89.07]</b>				
	06/17/14 00:20 CST		25K	Thunderstorm Wind (EG 60 kt)
	06/17/14 00:20 CST		0	Source: Law Enforcement
A garage collapsed due to severe winds.				
<b>MCHENRY COUNTY --- 0.9 NW RICHMOND [42.48, -88.31]</b>				
	06/17/14 22:25 CST		0	Hail (0.75 in)
	06/17/14 22:27 CST		0	Source: Public
A line of severe thunderstorms moved across northern Illinois very early in the morning of June 17th producing damaging winds. During the evening of June 17th, a few isolated thunderstorms moved across northern Illinois, one producing penny size hail.				
<b>OGLE COUNTY --- 2.1 SW STILLMAN VALLEY [42.08, -89.21]</b>				
	06/18/14 16:52 CST		0	Hail (1.00 in)
	06/18/14 16:54 CST		0	Source: Public
<b>OGLE COUNTY --- 4.2 S BYRON [42.07, -89.26]</b>				
	06/18/14 17:02 CST		0	Hail (0.88 in)
	06/18/14 17:04 CST		0	Source: Public
<b>DE KALB COUNTY --- 2.2 WSW SYCAMORE [41.97, -88.72]</b>				
	06/18/14 17:42 CST		0	Thunderstorm Wind (EG 50 kt)
	06/18/14 17:42 CST		0	Source: Trained Spotter
Power lines were blown down near Route 23 and Bethany Road.				
<b>KANE COUNTY --- 1.6 E AURORA [41.77, -88.29]</b>				
	06/18/14 18:20 CST		0	Hail (1.00 in)
	06/18/14 18:22 CST		0	Source: Trained Spotter
<b>KENDALL COUNTY --- 1.2 NE OSWEGO [41.69, -88.33]</b>				
	06/18/14 18:25 CST		0	Thunderstorm Wind (MG 67 kt)
	06/18/14 18:25 CST		0	Source: Mesonet
<b>DU PAGE COUNTY --- 1.8 ENE WARRENVILLE [41.83, -88.14]</b>				
	06/18/14 18:30 CST		0.50M	Lightning
	06/18/14 18:30 CST	3	0	Source: Newspaper
Lightning struck a home on Seneca Drive in unincorporated Wheaton sparking a fire and causing extensive damage. It is believed that a second lightning strike hit near an aerial truck that three fire fighters were working on causing minor injuries to the fire fighters who were treated and released from the hospital a few hours later.				
<b>KANE COUNTY --- 1.0 E ST CHARLES [41.92, -88.30]</b>				
	06/18/14 18:30 CST		25K	Lightning
	06/18/14 18:30 CST		0	Source: Law Enforcement
Lightning caused a fire to a residence in unincorporated St Charles.				
<b>DE KALB COUNTY --- 1.0 W DEKALB [41.93, -88.77]</b>				

## Storm Data and Unusual Weather Phenomena - June 2014

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/18/14 21:15 CST		0	Hail (0.75 in)
	06/18/14 21:17 CST		0	Source: Trained Spotter
<b>COOK COUNTY --- 1.0 SSE SCHAUMBURG [42.02, -88.07]</b>				
	06/19/14 00:30 CST		50K	Lightning
	06/19/14 00:30 CST		0	Source: Newspaper
Lightning struck a home on East Weathersfield Way resulting in a fire that caused moderate damage. No injuries were reported.				
<b>A line of thunderstorms dropped southeast across northern Illinois during the evening of June 18th producing marginally severe winds and hail.</b>				
<b>KANKAKEE COUNTY --- 0.3 NNE HERSCHER [41.05, -88.10], 0.8 E HERSCHER [41.05, -88.09]</b>				
	06/21/14 14:48 CST		3K	Thunderstorm Wind (EG 60 kt)
	06/21/14 14:48 CST		0	Source: Trained Spotter
A large tree was blown down onto power lines approximately a block south of Route 115 on Main Street. A few utility poles and numerous small branches were blown down throughout the village.				
<b>LEE COUNTY --- 0.5 W HARMON [41.72, -89.56]</b>				
	06/21/14 15:08 CST		0	Hail (0.88 in)
	06/21/14 15:10 CST		0	Source: Trained Spotter
<b>IROQUOIS COUNTY --- 0.7 NW CLIFTON [40.94, -87.94], 2.0 S CLIFTON [40.90, -87.93]</b>				
	06/21/14 15:20 CST		10K	Thunderstorm Wind (EG 60 kt)
	06/21/14 15:20 CST		0	Source: Emergency Manager
Numerous trees, power lines and utility lines were blown down across town. A shed was destroyed approximately two miles south of town.				
<b>LAKE COUNTY --- ROUND LAKE BEACH [42.38, -88.08]</b>				
	06/21/14 15:30 CST		0	Thunderstorm Wind (EG 60 kt)
	06/21/14 15:30 CST		0	Source: Trained Spotter
A number of trees were blown down on the western edge of Round Lake Beach.				
<b>LAKE COUNTY --- 0.7 SSE VOLO [42.32, -88.16]</b>				
	06/21/14 15:37 CST		10K	Thunderstorm Wind (EG 60 kt)
	06/21/14 15:37 CST		0	Source: Amateur Radio
A gazebo was lifted from a backyard and dropped into the front yard onto a gas regulator on Gilmer Road just south of Route 120.				
<b>IROQUOIS COUNTY --- 0.5 E CRESCENT CITY [40.77, -87.86], 1.3 ESE CRESCENT CITY [40.76, -87.85]</b>				
	06/21/14 15:45 CST		0	Hail (1.75 in)
	06/21/14 15:50 CST		10K	Source: Public
Extensive crop damage was reported near Crescent City.				
<b>LAKE COUNTY --- 0.5 W FAIRFIELD [42.22, -88.06]</b>				
	06/21/14 15:47 CST		0	Thunderstorm Wind (MG 61 kt)
	06/21/14 15:47 CST		0	Source: Trained Spotter
<b>IROQUOIS COUNTY --- 0.5 E CRESCENT CITY [40.77, -87.86], 1.4 E CRESCENT CITY [40.77, -87.84]</b>				
	06/21/14 15:50 CST		0.10M	Thunderstorm Wind (EG 60 kt)
	06/21/14 15:50 CST		0	Source: Public
Numerous trees and power poles were blown down along Route 24. A warehouse received extensive damage on one end and a farm building also was slightly damaged.				
<b>LAKE COUNTY --- 2.5 NW FAIRFIELD [42.25, -88.08]</b>				
	06/21/14 15:50 CST		20K	Thunderstorm Wind (EG 60 kt)
	06/21/14 15:50 CST		0	Source: Emergency Manager

## Storm Data and Unusual Weather Phenomena - June 2014

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
A tree was blown down and split the roof of a house near Pheasant Run just north of Fairfield Road.				
<b>LAKE COUNTY --- MUNDELEIN [42.27, -88.00]</b>				
	06/21/14 15:50 CST		0	Thunderstorm Wind (MG 65 kt)
	06/21/14 15:50 CST		0	Source: Trained Spotter
<b>COOK COUNTY --- 2.3 N SKOKIE [42.06, -87.73], 2.3 N SKOKIE [42.06, -87.73], 2.3 N SKOKIE [42.06, -87.73], 2.3 N SKOKIE [42.06, -87.73]</b>				
	06/21/14 16:53 CST		0	Flash Flood (due to Heavy Rain)
	06/21/14 22:30 CST		0	Source: Trained Spotter
Up to six inches of flowing water was reported at Prospect Avenue and Harrison Street. A CoCoRaHS observer near Winnetka measured 2.19 inches of rain in 55 minutes while the ASOS at O'Hare measured 0.90 inches of rain in 20 minutes.				
<b>COOK COUNTY --- 1.4 W AVONDALE [41.97, -87.71], 1.4 W AVONDALE [41.97, -87.71], 1.4 W AVONDALE [41.97, -87.71], 1.4 W AVONDALE [41.97, -87.71]</b>				
	06/21/14 17:16 CST		0	Flood (due to Heavy Rain)
	06/21/14 22:30 CST		0	Source: Public
The intersection at Argyle Street and Albany Avenue was flooded with six inches of water.				
<b>KANE COUNTY --- 1.4 SE FOX RIVER ESTATES [41.95, -88.28], 1.5 ESE FOX RIVER ESTATES [41.96, -88.27], 1.5 ESE FOX RIVER ESTATES [41.96, -88.27], 1.5 SE FOX RIVER ESTATES [41.95, -88.28]</b>				
	06/21/14 17:45 CST		0	Flood (due to Heavy Rain)
	06/21/14 22:00 CST		0	Source: Public
Approximately 8 to 10 inches of standing water was reported along Surrey Road. A CoCoRaHS observer near Sugar Grove measured 2.22 inches of rain in 35 minutes.				
<b>WILL COUNTY --- 1.0 SSE JOLIET [41.52, -88.10], 0.9 SSE JOLIET [41.52, -88.09], 0.9 SSE JOLIET [41.52, -88.09], 1.0 SSE JOLIET [41.52, -88.09]</b>				
	06/21/14 17:45 CST		0	Flood (due to Heavy Rain)
	06/21/14 23:30 CST		0	Source: Emergency Manager
About a foot of standing water was reported on Center Street just north of I-80. Viaducts in the area had about 8 to 10 inches of water. A CoCoRaHS observer near Plainfield measured 1.30 inches of rain in 30 minutes.				
<b>COOK COUNTY --- 1.0 NNE PARK FOREST [41.49, -87.67], 1.1 NNE PARK FOREST [41.49, -87.67], 0.7 NNE PARK FOREST [41.49, -87.67], 0.7 NNE PARK FOREST [41.49, -87.67]</b>				
	06/21/14 17:57 CST		0	Flash Flood (due to Heavy Rain)
	06/21/14 22:30 CST		0	Source: Trained Spotter
Around six inches of flowing water was reported on downtown streets of Park Forest.				
<b>WILL COUNTY --- 1.1 N EAGLE LAKE [41.39, -87.55], 1.1 NNE EAGLE LAKE [41.39, -87.55], 1.0 NNE EAGLE LAKE [41.38, -87.55], 1.0 N EAGLE LAKE [41.38, -87.55]</b>				
	06/21/14 17:57 CST		0	Flash Flood (due to Heavy Rain)
	06/21/14 23:30 CST		0	Source: Trained Spotter
Approximately a foot of flowing water was reported over Offner Road.				
<b>WILL COUNTY --- 1.5 NNW EAGLE LAKE [41.39, -87.56]</b>				
	06/21/14 17:57 CST		0	Thunderstorm Wind (EG 60 kt)
	06/21/14 17:57 CST		0	Source: Trained Spotter
Two trees, one 20 inches in diameter and the other 10 inches in diameter, were blown down. Numerous tree limbs were blown down.				
<b>KANKAKEE COUNTY --- 0.9 NE GRANT PARK [41.24, -87.64], 2.1 W SOLLITT [41.30, -87.67]</b>				
	06/21/14 18:00 CST		50K	Thunderstorm Wind (EG 60 kt)
	06/21/14 18:02 CST		0	Source: Trained Spotter
Multiple large trees were blown down along area county roads, including one that fell onto a house at 620W County Line Road, and another that was uprooted and fell onto a car. Some of the trees were up to 16 inches in diameter.				

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<b>KANE COUNTY --- 1.6 N SUGAR GROVE [41.77, -88.45], 1.5 N SUGAR GROVE [41.77, -88.45], 1.5 N SUGAR GROVE [41.77, -88.45], 1.5 N SUGAR GROVE [41.77, -88.45]</b>				
	06/21/14 18:45 CST		0	Flood (due to Heavy Rain)
	06/21/14 22:00 CST		0	Source: Public
Approximately eight inches of standing water was reported over the intersection of Galena Boulevard and Municipal Drive.				
<b>KANKAKEE COUNTY --- 1.4 SSW PUDER [41.25, -87.61], 1.3 SSW PUDER [41.25, -87.61], 1.3 SSW PUDER [41.25, -87.61], 1.4 SSW PUDER [41.25, -87.61]</b>				
	06/21/14 19:07 CST		0	Flood (due to Heavy Rain)
	06/21/14 23:30 CST		0	Source: Trained Spotter
Up to four inches of flowing water was reported over portions of 9000N east of Route 1.				
<p>June 21st began with widespread stratus and fog across much of northeast Illinois which would give way to breaks of sunshine by late morning. The warming combined with the muggy near-surface conditions led to quick destabilization. An MCV traversed east overriding the forecast area during peak heating. This served as an impetus for thunderstorms across northern Illinois, as well as leading to stronger deep layer shear. Some of these storms developed bowing segments producing strong winds, and numerous thunderstorms were very efficient rain producers due to high moisture content in the atmosphere. Two of the storms during the span of the event, one across Lake County, IL and the other Iroquois County, were well-defined supercells, each exhibiting deep rotation and for periods low-level rotation. While no tornadoes were confirmed with these storms, they did bring damaging winds that downed trees as well as caused structural damage in Iroquois County.</p>				
<b>COOK COUNTY --- 0.7 N DUNHURST [42.14, -87.93], 0.3 NE DUNHURST [42.13, -87.93], 0.5 SSE DUNHURST [42.12, -87.93], 0.5 SSE DUNHURST [42.12, -87.93], 0.4 N DUNHURST [42.14, -87.93], 0.7 NNW DUNHURST [42.14, -87.93]</b>				
	06/24/14 16:51 CST		0	Flash Flood (due to Heavy Rain)
	06/24/14 19:30 CST		0	Source: Broadcast Media
Wheeling Road was closed between Dundee Road and Hintz Road due to flooding up to around a foot deep.				
<b>COOK COUNTY --- 0.6 SSE BELLWOOD [41.87, -87.86], 0.2 NW MAYWOOD [41.87, -87.85], 0.2 WSW MAYWOOD [41.87, -87.85], 0.7 W MAYWOOD [41.87, -87.86]</b>				
	06/24/14 17:45 CST		0	Flash Flood (due to Heavy Rain)
	06/24/14 19:30 CST		0	Source: Broadcast Media
Interstate 290 was closed between 17th Avenue and 25th Avenue.				
<p>An isolated thunderstorm dropped south across Cook County producing heavy rains that resulted in isolated flooding. A CoCoRaHS observer measured 1.18 inches in 35 minutes in Elmwood Park. The ASOS in Wheeling measured 1.02 inches in 13 minutes.</p>				
<b>WINNEBAGO COUNTY --- 1.0 E (RFD) ROCKFORD AIRPORT [42.20, -89.08]</b>				
	06/25/14 14:58 CST		0	Hail (0.88 in)
	06/25/14 15:00 CST		0	Source: Amateur Radio
A few widely scattered thunderstorms developed over north central Illinois producing small hail, with at least one report of nickel size hail.				
<b>WILL COUNTY --- 1.5 SSW EAGLE LAKE [41.35, -87.56]</b>				
	06/28/14 17:17 CST		0	Hail (1.00 in)
	06/28/14 17:19 CST		0	Source: Public
<b>COOK COUNTY --- 0.9 SE PALOS HILLS [41.69, -87.79]</b>				
	06/28/14 17:45 CST		0	Hail (0.75 in)
	06/28/14 17:47 CST		0	Source: Public
A few widely scattered thunderstorms developed over northeastern Illinois producing primarily small hail, with at least one report of quarter size hail.				
<b>MCHENRY COUNTY --- 1.5 S RIDGEFIELD [42.25, -88.38], 0.3 SSW OAKWOOD HILLS [42.25, -88.25]</b>				
	06/30/14 01:15 CST		0	Thunderstorm Wind (EG 60 kt)
	06/30/14 01:18 CST		0	Source: Emergency Manager

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Six trees three to five feet in diameter were split with parts of the trees blown down along Route 176 between Route 14 and Briarwood Road. Scattered small trees and tree limbs were reportedly blown down across town.				

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### MCHENRY COUNTY --- 1.4 W OAKWOOD HILLS [42.25, -88.28]

06/30/14 02:00 CST	65K	Lightning
06/30/14 02:00 CST	0	Source: Emergency Manager

Lightning struck a house and caused a fire in the attic on Ned Drive.

**A line of thunderstorms dropped across northern Illinois producing damaging winds and heavy rain.**

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### BOONE COUNTY --- 0.1 NE CALEDONIA [42.37, -88.90]

06/30/14 16:27 CST	5K	Thunderstorm Wind (MG 50 kt)
06/30/14 16:27 CST	0	Source: Amateur Radio

Roof shingles were ripped off near Route 173 and Caledonia Road.

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### MCHENRY COUNTY --- 0.5 SW CHEMUNG [42.42, -88.68]

06/30/14 16:35 CST	0	Thunderstorm Wind (EG 50 kt)
06/30/14 16:35 CST	0	Source: Public

A six inch diameter tree was blown down on White Oaks Road approximately six miles south of the state line.

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### WILL COUNTY --- 1.4 NNE WALKER [41.64, -88.19]

06/30/14 18:01 CST	0	Thunderstorm Wind (EG 50 kt)
06/30/14 18:01 CST	0	Source: Public

A six inch diameter tree was blown down near Naperville-Plainfield Road and 135th Street.

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### COOK COUNTY --- 0.9 WNW HAWTHORNE [41.60, -87.77]

06/30/14 18:18 CST	0	Thunderstorm Wind (EG 50 kt)
06/30/14 18:18 CST	0	Source: Trained Spotter

Large tree branches were blown down approximately half a mile west of Central Avenue and 159th street.

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### COOK COUNTY --- 1.0 W KIMBERLY HGTS [41.57, -87.80]

06/30/14 18:20 CST	5K	Thunderstorm Wind (EG 50 kt)
06/30/14 18:20 CST	0	Source: Public

Shingles were blown off a roof.

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### WILL COUNTY --- 2.1 E SOUTH LOCKPORT [41.58, -88.01]

06/30/14 18:29 CST	0	Thunderstorm Wind (MG 61 kt)
06/30/14 18:29 CST	0	Source: Mesonet

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### COOK COUNTY --- 0.9 SW INVERNESS [42.11, -88.09]

06/30/14 18:30 CST	50K	Lightning
06/30/14 18:30 CST	0	Source: Newspaper

A home on the 1900 block of Durham Drive caught fire after lightning blew a small hole in the roof.

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### COOK COUNTY --- 1.7 WSW PALATINE [42.09, -88.08]

06/30/14 18:30 CST	25K	Lightning
06/30/14 18:30 CST	0	Source: Newspaper

A home on the 1600 block of Balmoral Lane was struck by lightning but did not catch fire.

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### LA SALLE COUNTY --- 0.5 E OTTAWA [41.35, -88.84]

06/30/14 18:30 CST	0	Thunderstorm Wind (EG 55 kt)
06/30/14 18:30 CST	0	Source: Public

Tree branches to around 12 inches in diameter were blown down.

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<b>COOK COUNTY --- 0.7 S HARVEY [41.61, -87.65]</b>				
	06/30/14 18:35 CST		0	Thunderstorm Wind (MG 56 kt)
	06/30/14 18:35 CST		0	Source: Trained Spotter
Tree limbs to around 3 inches in diameter were blown down.				
<b>WILL COUNTY --- FRANKFORT [41.50, -87.85], 1.5 NNE FRANKFORT SQUARE [41.52, -87.79]</b>				
	06/30/14 18:40 CST		5K	Thunderstorm Wind (EG 50 kt)
	06/30/14 18:42 CST		0	Source: Amateur Radio
A four inch diameter tree was snapped near St Francis Road & Harlem Avenue. A metal fence was also blown down in Frankfort.				
<b>COOK COUNTY --- 0.7 NW HAWTHORNE [41.61, -87.76]</b>				
	06/30/14 19:00 CST		50K	Lightning
	06/30/14 19:00 CST	1	0	Source: Newspaper
A home on the 15700 block of Peggy Lane was struck by lightning sparking a fire. The building was not occupied because it had been struck by lightning earlier in the year; however, a worker inside the building was shocked and had to be transported to the hospital.				
<b>KANKAKEE COUNTY --- 1.4 SE GRANT PARK [41.22, -87.63]</b>				
	06/30/14 19:23 CST		0	Hail (1.00 in)
	06/30/14 19:25 CST		0	Source: Amateur Radio
<b>OGLE COUNTY --- 0.9 SW OREGON [42.01, -89.34]</b>				
	06/30/14 19:40 CST		0	Thunderstorm Wind (EG 60 kt)
	06/30/14 19:40 CST		0	Source: Law Enforcement
Numerous large trees were blown down in Oregon.				
<b>LEE COUNTY --- AMBOY [41.72, -89.33]</b>				
	06/30/14 19:52 CST		0	Thunderstorm Wind (EG 60 kt)
	06/30/14 19:55 CST		0	Source: Trained Spotter
Numerous large trees were blown down and uprooted across Amboy. Some of the trees were several feet in diameter.				
<b>LEE COUNTY --- AMBOY [41.72, -89.33]</b>				
	06/30/14 20:07 CST		0	Hail (0.88 in)
	06/30/14 20:09 CST		0	Source: Trained Spotter
<b>LA SALLE COUNTY --- 0.3 W MENDOTA [41.55, -89.13], 2.0 SW MERIDEN [41.55, -89.06]</b>				
	06/30/14 20:10 CST		50K	Thunderstorm Wind (EG 60 kt)
	06/30/14 20:12 CST		0	Source: Amateur Radio
Two semi-trucks were flipped over on I-39 and numerous tree branches were blown down in Mendota.				
<b>LEE COUNTY --- AMBOY [41.72, -89.33], 0.8 SW AMBOY [41.71, -89.34], 1.3 SSW AMBOY [41.70, -89.34], 1.0 SE AMBOY [41.71, -89.32], 0.6 E AMBOY [41.72, -89.32]</b>				
	06/30/14 20:10 CST		0	Flash Flood (due to Heavy Rain)
	06/30/14 23:59 CST		0	Source: Law Enforcement
A creek was out of its banks. A trained spotter measured 2.2 inches of rain between 16:30 CST and 20:15 CST.				
<b>LA SALLE COUNTY --- 2.9 ENE UTICA AIRPARK ARPT [41.35, -88.95], 3.2 NE UTICA AIRPARK ARPT [41.36, -88.95]</b>				
	06/30/14 20:12 CST		0	Thunderstorm Wind (EG 60 kt)
	06/30/14 20:12 CST		0	Source: Public
Multiple trees ranging from 1 to 3 feet in diameter were uprooted along E 11th Road.				
<b>LA SALLE COUNTY --- 1.3 WNW EARLVILLE [41.59, -88.95], 0.5 NE EARLVILLE [41.58, -88.92]</b>				

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	06/30/14 20:16 CST		0.25M	Tornado (EF1, L: 1.51 mi , W: 50 yd)
	06/30/14 20:17 CST		0	Source: NWS Storm Survey

An aerial survey from local media showed clear convergent swirling and scarring near Earlville. A short lived tornado touched down embedded within a larger area of straight line wind damage. Numerous trees were blown down with damage to roofs and a garage blown out on the south and southwest portions of town. Maximum winds were estimated to 110 mph.

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### DU PAGE COUNTY --- 3.5 NW BOLINGBROOK [41.70, -88.18]

06/30/14 20:30 CST	75K	Lightning
06/30/14 20:30 CST	0	Source: Newspaper

A home on Schillinger Court caught fire after it was struck by lightning. The home was deemed uninhabitable due to the damage.

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### LA SALLE COUNTY --- 0.9 SW CATHARINE [41.51, -88.69]

06/30/14 20:31 CST	0	Thunderstorm Wind (EG 50 kt)
06/30/14 20:31 CST	0	Source: Law Enforcement

A large tree was blown down.

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### KANE COUNTY --- 1.9 NW SUGAR GROVE [41.77, -88.47]

06/30/14 20:38 CST	0	Thunderstorm Wind (MG 53 kt)
06/30/14 20:38 CST	0	Source: ASOS

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### KENDALL COUNTY --- 2.8 SSE NEWARK ARPT [41.48, -88.58], 3.5 SSE NEWARK ARPT [41.48, -88.56]

06/30/14 20:38 CST	50K	Tornado (EF1, L: 1.15 mi , W: 50 yd)
06/30/14 20:39 CST	0	Source: NWS Storm Survey

Concentrated damage was found at two farmsteads including the destruction of an outbuilding and large trees snapped at their bases. Maximum winds were estimated to 100 mph.

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### GRUNDY COUNTY --- 2.7 WNW (C09) MORRIS MUNICIPAL AIRPORT [41.44, -88.47], 0.5 WNW (C09) MORRIS MUNICIPAL AIRPORT [41.43, -88.43]

06/30/14 20:44 CST	0	Tornado (EF0, L: 2.16 mi , W: 50 yd)
06/30/14 20:46 CST	0	Source: NWS Storm Survey

A storm survey team determined via an aerial survey that a tornado touched down over mainly fields north of Morris . Maximum winds were estimated to 85 mph.

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### GRUNDY COUNTY --- 2.0 WNW MORRIS [41.38, -88.46], 1.0 ESE MORRIS [41.37, -88.40]

06/30/14 20:49 CST	75K	Thunderstorm Wind (EG 78 kt)
06/30/14 20:52 CST	0	Source: NWS Storm Survey

Straight line winds of 80 to 90 mph caused a tremendous amount of tree damage across all of Morris. Numerous utility poles were snapped and power lines were blown down. Numerous roads were blocked. An estimated 90 percent of the city was without power. Structural damage was observed to a warehouse building on the north side of Morris with significant loss of roof covering.

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### GRUNDY COUNTY --- 0.7 W MORRIS [41.37, -88.43]

06/30/14 20:51 CST	0	Thunderstorm Wind (MG 56 kt)
06/30/14 20:51 CST	0	Source: Emergency Manager

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### KENDALL COUNTY --- 3.5 E BOULDER HILL [41.72, -88.28]

06/30/14 20:53 CST	0	Thunderstorm Wind (MG 65 kt)
06/30/14 20:53 CST	0	Source: Trained Spotter

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### GRUNDY COUNTY --- 2.8 S DIVINE [41.34, -88.31]

06/30/14 20:55 CST	0	Thunderstorm Wind (MG 53 kt)
06/30/14 20:55 CST	0	Source: NWS Employee

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### WILL COUNTY --- 0.9 ENE WALKER [41.63, -88.18], 2.9 W ROMEVILLE [41.62, -88.13]

06/30/14 20:55 CST	0.50M	Tornado (EF1, L: 3.06 mi , W: 75 yd)
06/30/14 20:58 CST	0	Source: NWS Storm Survey

## Storm Data and Unusual Weather Phenomena - June 2014

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
A tornado caused damage to trees and residences between Plainfield and Romeoville . Over 50 trees, including many large softwood trees, were uprooted within a concentrated path. A dozen modest to large trees were blown to the northwest against the eastward path of the storm . Numerous roads were blocked due to fallen trees. There was minor damage to numerous residences in the Woodlands of the Reserve and Lakewood Falls subdivisions . This damage was mainly siding and shingles peeled off along with windows blown out . The tornado crossed I-55 near mile marker 261. The tornado was embedded within a larger area of straight line wind damage. Maximum winds were estimated to 95 mph.				

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### WILL COUNTY --- 1.5 WNW ROMEOVILLE [41.64, -88.10], 2.1 N ROMEOVILLE [41.66, -88.08]

06/30/14 20:58 CST	0.25M	Thunderstorm Wind (EG 78 kt)
06/30/14 21:00 CST	0	Source: NWS Storm Survey

An NWS Storm Survey confirmed scattered straight-line wind damage across Romeoville consistent with 70 to 90 mph winds. Large tree limbs were blown down and an evergreen tree was snapped at its base along Marquette Drive and Enterprise Drive. A large metal street light was broken at its base and leaning on power lines near Romeo Road and Route 53. Multiple trees were blown down west of Route 53 partially blocking Belmont Drive. Power lines were down at Romeo Road and Macon Avenue. A tree was blown down blocking Homer Avenue. Portions of Route 53 were closed due to power lines down across the road north of Normantown Road. Minor roof damage occurred across the area.

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### WILL COUNTY --- 0.5 SW RAYNOR PARK [41.54, -88.13], 0.4 SW IDYLSIDE [41.52, -88.12]

06/30/14 21:00 CST	0	Thunderstorm Wind (EG 55 kt)
06/30/14 21:00 CST	0	Source: Trained Spotter

A 12 inch diameter tree was split at its base near Ingalls Avenue and Larkin Avenue . Numerous tree limbs up to six inches in diameter were blown down along Larkin Avenue between McDonough Street and Black Road.

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### WILL COUNTY --- 1.5 SSW BARBERS CORNERS [41.70, -88.08]

06/30/14 21:03 CST	0	Thunderstorm Wind (MG 71 kt)
06/30/14 21:03 CST	0	Source: Trained Spotter

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### WILL COUNTY --- 2.1 N SHOREWOOD [41.55, -88.20]

06/30/14 21:04 CST	0	Thunderstorm Wind (MG 50 kt)
06/30/14 21:04 CST	0	Source: Mesonet

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### GRUNDY COUNTY --- 1.0 W CARBON HILL [41.30, -88.32], 0.4 NNE DIAMOND [41.29, -88.25]

06/30/14 21:05 CST	0	Thunderstorm Wind (MG 58 kt)
06/30/14 21:05 CST	0	Source: Mesonet

Numerous tree limbs up to around 16 inches in diameter were blown down south of Route 113 on Will Road.

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### WILL COUNTY --- 0.5 W NEW LENOX [41.52, -87.98]

06/30/14 21:05 CST	0	Thunderstorm Wind (EG 55 kt)
06/30/14 21:05 CST	0	Source: Public

A two foot diameter tree was blown down.

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### WILL COUNTY --- 2.1 E SOUTH LOCKPORT [41.58, -88.01]

06/30/14 21:14 CST	0	Thunderstorm Wind (MG 56 kt)
06/30/14 21:14 CST	0	Source: Mesonet

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### COOK COUNTY --- 1.1 ENE CHICAGO RIDGE [41.71, -87.76]

06/30/14 21:15 CST	0	Thunderstorm Wind (EG 50 kt)
06/30/14 21:15 CST	0	Source: Trained Spotter

Two trees and numerous tree limbs were blown down near Central Avenue and 103rd Street.

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### KANKAKEE COUNTY --- 0.7 N BOURBONNAIS [41.16, -87.88]

06/30/14 21:19 CST	0.10M	Thunderstorm Wind (EG 60 kt)
06/30/14 21:19 CST	0	Source: Public

Some siding was peeled off of homes.

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### COOK COUNTY --- (MDW) CHICAGO MIDWAY AIRPORT [41.78, -87.75]



## Storm Data and Unusual Weather Phenomena - June 2014

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/30/14 21:21 CST		0	Thunderstorm Wind (MG 50 kt)
	06/30/14 21:21 CST		0	Source: ASOS
<b>KANKAKEE COUNTY --- 0.9 NNW ST GEORGE [41.21, -87.77], 0.0 SW EDGETOWN [41.18, -87.58]</b>				
	06/30/14 21:22 CST		20K	Tornado (EF1, L: 10.30 mi , W: 150 yd)
	06/30/14 21:31 CST		0	Source: NWS Storm Survey
This tornado started near the intersection of E. 6000N Rd and N. County Highway 51. Roof damage was done to a barn along with numerous trees snapped and uprooted. The tornado ended along County Highway 13. Maximum winds were estimated to be 90 mph.				
<b>COOK COUNTY --- MATTESON [41.50, -87.70]</b>				
	06/30/14 21:23 CST		0	Thunderstorm Wind (EG 60 kt)
	06/30/14 21:23 CST		0	Source: Public
Numerous large trees were blown down.				
<b>KANKAKEE COUNTY --- 1.0 E LEHIGH [41.12, -88.00], 1.6 WNW BOURBONNAIS [41.16, -87.91]</b>				
	06/30/14 21:23 CST		0	Thunderstorm Wind (EG 61 kt)
	06/30/14 21:23 CST		0	Source: Trained Spotter
Several large trees were blown down near Sportsman's Club. Winds were estimated to 70 mph by a trained spotter.				
<b>KANKAKEE COUNTY --- 2.6 E MANTENO [41.26, -87.78], 0.5 ENE WHITAKER [41.25, -87.72]</b>				
	06/30/14 21:23 CST		0.13M	Tornado (EF0, L: 3.10 mi , W: 45 yd)
	06/30/14 21:25 CST		0	Source: NWS Storm Survey
A tornado touched down near N. 5000E Rd and ended near N 8000E Rd. It snapped a wooden power pole and damaged corn along its path. Maximum winds were estimated to 85 mph.				
<b>COOK COUNTY --- 0.7 N BURBANK [41.74, -87.77]</b>				
	06/30/14 21:24 CST		0	Thunderstorm Wind (MG 52 kt)
	06/30/14 21:24 CST		0	Source: COOP Observer
<b>COOK COUNTY --- MIDLOTHIAN [41.62, -87.72]</b>				
	06/30/14 21:24 CST		0	Thunderstorm Wind (EG 60 kt)
	06/30/14 21:24 CST		0	Source: Public
Numerous trees were blown down.				
<b>KANKAKEE COUNTY --- 2.4 WNW WHITAKER [41.27, -87.77], 1.0 NNE WHITAKER [41.26, -87.72]</b>				
	06/30/14 21:24 CST		0.16M	Tornado (EF1, L: 2.70 mi , W: 110 yd)
	06/30/14 21:25 CST		0	Source: NWS Storm Survey
This tornado began near 10000N Rd and ended near a farmstead along N. 8000E Rd. A large machine shed was heavily damaged, and trees were snapped and uprooted. Maximum winds were estimated to 95 mph.				
<b>KANKAKEE COUNTY --- 2.2 N WHITAKER [41.28, -87.72], 1.4 WSW PUDER [41.26, -87.63]</b>				
	06/30/14 21:25 CST		0.17M	Tornado (EF1, L: 5.50 mi , W: 450 yd)
	06/30/14 21:29 CST		0	Source: NWS Storm Survey
A tornado started near the intersection of 11000N Rd and N 8000E Rd. A large shed was destroyed with all of its posts and several anchors to the posts pulled from the ground. There was also minor buckling of a house's foundation, numerous trees snapped and uprooted, a snapped wooden power pole, and damage to corn crops. The tornado dissipated near Illinois Highway 1. Maximum winds were estimated to 110 mph.				
<b>KANKAKEE COUNTY --- 1.7 NNE WHITAKER [41.27, -87.72], 2.7 NNW GRANT PARK [41.27, -87.66]</b>				
	06/30/14 21:26 CST		0.17M	Tornado (EF1, L: 3.20 mi , W: 110 yd)
	06/30/14 21:28 CST		0	Source: NWS Storm Survey
This tornado began near a farmstead on N. 8000E Rd and would end near the intersection of 9000N Rd and N. 11000E Rd. A barn was destroyed, a 4,000 lb. trailer moved 50 feet, and numerous hardwood trees were snapped and uprooted. Maximum winds were estimated to 105 mph.				
<b>COOK COUNTY --- 0.5 W PARK FOREST [41.48, -87.69], 0.6 NNE PARK FOREST [41.49, -87.67]</b>				

## Storm Data and Unusual Weather Phenomena - June 2014

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/30/14 21:27 CST		0	Thunderstorm Wind (MG 65 kt)
	06/30/14 21:27 CST		0	Source: Trained Spotter
A large tree branch and numerous smaller branches were blown down.				
<b>KANKAKEE COUNTY --- 1.9 E YEAGER [41.20, -87.66], 0.4 NNE ILLINOI [41.19, -87.53]</b>				
	06/30/14 21:29 CST		0	Tornado (EF1, L: 7.20 mi , W: 175 yd)
	06/30/14 21:36 CST		0	Source: NWS Storm Survey
This tornado began north of Momence along Illinois Highway 17, crossed the Illinois-Indiana state line and tracked near 241 st Ave. in Indiana. The tornado then passed through the far south end of the town of Schneider and ended near the Kankakee River southwest of Shelby. Damage was done to a roof of a barn along with numerous hardwood trees snapped and uprooted. Maximum winds were estimated to 110 mph.				
<b>COOK COUNTY --- HOMEWOOD [41.55, -87.65], GLENWOOD [41.55, -87.62]</b>				
	06/30/14 21:30 CST		0	Thunderstorm Wind (MG 65 kt)
	06/30/14 21:32 CST		0	Source: Amateur Radio
A large healthy tree limb was blown down.				
<b>KANKAKEE COUNTY --- 0.4 S MOMENCE [41.16, -87.67], 1.0 SE MOMENCE [41.16, -87.66]</b>				
	06/30/14 21:30 CST		5K	Thunderstorm Wind (EG 60 kt)
	06/30/14 21:30 CST		0	Source: Storm Chaser
Trees 12 to 18 inches in diameter were blown down onto power lines. Numerous tree branches were blown down.				
<b>KANKAKEE COUNTY --- 1.4 SW SOLLITT [41.28, -87.65], 1.8 ESE PUDER [41.26, -87.57]</b>				
	06/30/14 21:30 CST		8K	Tornado (EF0, L: 4.40 mi , W: 295 yd)
	06/30/14 21:33 CST		0	Source: NWS Storm Survey
This tornado that began near the intersection of 11000N Rd and Slaughter House Rd damaged a greenhouse and brought roof damage to a house, along with snapping large tree limbs. The tornado ended near County Highway 13. Maximum winds were estimated to 75 mph.				
<b>WILL COUNTY --- 1.8 NE MONEE [41.44, -87.71]</b>				
	06/30/14 21:31 CST		0	Thunderstorm Wind (MG 65 kt)
	06/30/14 21:31 CST		0	Source: Trained Spotter
<b>COOK COUNTY --- 1.0 E PHOENIX [41.60, -87.60]</b>				
	06/30/14 21:32 CST		0	Thunderstorm Wind (MG 63 kt)
	06/30/14 21:32 CST		0	Source: Trained Spotter
<b>KANKAKEE COUNTY --- 0.8 NW PUDER [41.28, -87.61], 2.6 NNE SHERBURNVILLE [41.27, -87.54]</b>				
	06/30/14 21:32 CST		0.50M	Tornado (EF2, L: 3.90 mi , W: 240 yd)
	06/30/14 21:35 CST		0	Source: NWS Storm Survey
This strong tornado touched down slightly north of the intersection between E. 10500N Rd and N. 14000E Rd. The tornado torqued a house on its foundation beyond repair and damaged a small church. There were also numerous barns and outbuildings destroyed and severe damage to several large trees. The tornado dissipated near N. 17500E Rd. Maximum winds were estimated to 115 mph.				
<b>COOK COUNTY --- LANSING [41.57, -87.55]</b>				
	06/30/14 21:33 CST		0	Thunderstorm Wind (EG 60 kt)
	06/30/14 21:33 CST		0	Source: Trained Spotter
Large tree limbs were blown down.				
<b>KANKAKEE COUNTY --- 1.4 ENE PUDER [41.28, -87.57], 2.0 E PUDER [41.27, -87.56]</b>				
	06/30/14 21:33 CST		0	Tornado (EF0, L: 0.70 mi , W: 120 yd)
	06/30/14 21:34 CST		0	Source: NWS Storm Survey
A very short-lived tornado tracked near E. 10500N Rd. Damage occurred to both a house and a barn, to a swimming pool, and to trees. Maximum winds were estimated to 75 mph.				
<b>KANKAKEE COUNTY --- 1.8 ENE PUDER [41.28, -87.57], 3.2 NNE SHERBURNVILLE [41.27, -87.53]</b>				

## Storm Data and Unusual Weather Phenomena - June 2014

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/30/14 21:33 CST		0.13M	Tornado (EF1, L: 2.40 mi , W: 410 yd)
	06/30/14 21:36 CST		0	Source: NWS Storm Survey

This tornado began near Kankakee County Highway 13 in Illinois and crossed into Indiana just south of E. 10500N Rd. A house under construction (but sealed) had an exterior wall of the garage blown out, part of a second story exterior wall blown in, and a portion of roof removed. A barn also had substantial roof damage along with numerous large trees snapped, uprooted, and partially stripped of their branches. The tornado dissipated south of Lowell, Indiana near Colfax St. Maximum winds were estimated to 110 mph.

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### COOK COUNTY --- 1.2 NW SOUTH HOLLAND [41.61, -87.55]

06/30/14 21:34 CST	0	Thunderstorm Wind (EG 65 kt)
06/30/14 21:34 CST	0	Source: Public

Multiple large trees were blown down.

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### KANKAKEE COUNTY --- 3.9 ENE PUDER [41.29, -87.53], 4.0 ENE PUDER [41.29, -87.53]

06/30/14 21:37 CST	0	Tornado (EF0, L: 0.10 mi , W: 165 yd)
06/30/14 21:38 CST	0	Source: NWS Storm Survey

This short-lived tornado began just west of the Illinois-Indiana state line and crossed the state line into a grove of trees and ended near Calumet Ave . There were multiple large trees downed with this tornado. Maximum winds were estimated to 90 mph.

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### COOK COUNTY --- 2.6 NNW (CGX)MEIGS FLD CHICA [41.90, -87.62], 2.6 ESE CLYBOURN [41.90, -87.63], 2.3 ESE CLYBOURN [41.91, -87.63], 2.4 ESE CLYBOURN [41.91, -87.63]

06/30/14 22:30 CST	0	Flash Flood (due to Heavy Rain)
06/30/14 23:59 CST	0	Source: Newspaper

The access road to North Lake Shore Drive from North Michigan was closed due to flooding. There was also flooding at North Avenue under Lake Shore Drive.

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### COOK COUNTY --- 0.9 SW STICKNEY [41.81, -87.76], 1.4 N MC COOK [41.80, -87.82], 1.3 NNW JUSTICE [41.77, -87.86], 1.4 S LA GRANGE HIGHLANDS [41.76, -87.92], 1.8 S LA GRANGE HIGHLANDS [41.75, -87.92], 0.7 SW HODGKINS [41.76, -87.84], 0.7 ENE MC COOK [41.79, -87.81]

06/30/14 23:05 CST	0	Flash Flood (due to Heavy Rain)
06/30/14 23:59 CST	0	Source: COOP Observer

Two to three feet of standing water was present on southbound I-55 between Central Avenue and County Line Road with only the right lane passable . A COOP observer three miles southwest of Midway Airport measured 2.78 inches of rain.

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### DU PAGE COUNTY --- 1.9 ENE BURR RIDGE [41.76, -87.92], 1.8 E BURR RIDGE [41.75, -87.92], 0.9 SSE BURR RIDGE [41.74, -87.94], 0.5 SE BURR RIDGE [41.74, -87.94]

06/30/14 23:10 CST	0	Flash Flood (due to Heavy Rain)
06/30/14 23:59 CST	0	Source: NWS Employee

Southbound I-55 was impassable between County Line Road and Kingery Highway with water at least a foot deep causing motorists to use the shoulder. A trained spotter in Woodridge measured 3.30 inches of rain.

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### COOK COUNTY --- 1.0 S CONGRESS PARK [41.81, -87.87], 1.0 S CONGRESS PARK [41.81, -87.87], 1.3 S CONGRESS PARK [41.80, -87.87], 1.3 S CONGRESS PARK [41.80, -87.87]

06/30/14 23:20 CST	0	Flash Flood (due to Heavy Rain)
06/30/14 23:59 CST	0	Source: NWS Employee

La Grange Road was closed between 47th Street and 49th Street due to water over the roads.

Extensive damage was sustained from two separate lines of thunderstorms on Monday, June 30th which was officially determined to be from two separate derecho events from Central Iowa east into Michigan and Ohio. Thunderstorms developed over Iowa during the early afternoon and organized into a forward-propagating quasi-linear convective system (QLCS) and tracked to southern Lake Michigan by early to mid evening. Meanwhile, a second complex of intense thunderstorms developed over central and eastern Iowa and also evolved into a QLCS, tracking across northern Illinois and northwest Indiana late in the evening into the overnight hours.

Across northern Illinois and northwest Indiana, the first derecho event produced scattered straight-line wind damage, with gusts measured as high as 70 MPH. The second derecho produced far more extensive damage, with 80 to 90 MPH straight line winds and numerous tornadoes. Initial post-event surveys cataloged 18 tornadoes across northern Illinois and northwest Indiana, 17 of EF1 intensity and one of EF0 intensity. Of these 18 tornadoes, 14 were associated with a pair of large mesovortices that traveled along the Kankakee River Valley in Kankakee County, Illinois and Lake, Newton, and Jasper Counties in Indiana.

## Storm Data and Unusual Weather Phenomena - June 2014

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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Analysis of Google Earth satellite imagery gathered in spring of 2015 showed numerous additional areas of damage not documented in the original survey efforts. A thorough analysis of this imagery and synthesis with the original survey information led to a complete reanalysis of the Kankakee Valley tornadoes. Ultimately, 18 tornado tracks were identified alone in the Kankakee Valley, leading to a total of 22 tornadoes for northern Illinois and northwest Indiana. Of the 18 revised tornadoes, 16 of the paths were determined, in part, using satellite imagery. Further re-examination of the damage also led to a change in rating for several of the damage locations. Of the 18 reanalyzed Kankakee Valley tracks, two were rated EF2, 13 were rated EF1, and three were rated EF0. Additional details on this reanalysis, including the methods used, can be found in the Electronic Journal of Severe Storms Meteorology (Lyza et al. 2019, "A Multi-Platform Reanalysis of the Kankakee Valley Tornado Cluster on 30 June 2014").

### INDIANA, Northwest

LAKE COUNTY --- 1.3 NE CALUMET CITY [41.64, -87.51], 1.3 NNE CALUMET CITY [41.64, -87.51], 1.4 NNE CALUMET CITY [41.64, -87.51], 1.6 NNE CALUMET CITY [41.64, -87.51], 1.6 NNE CALUMET CITY [41.64, -87.51], 1.4 NNE CALUMET CITY [41.64, -87.51]

06/21/14 18:50 CST	0	Flood (due to Heavy Rain)
06/21/14 23:30 CST	0	Source: Law Enforcement

The Indiana Tollway near mile marker 5 had 8 to 10 inches of standing water which stopped westbound traffic.

LAKE COUNTY --- 0.5 E CROWN POINT [41.42, -87.36], 1.1 E CROWN POINT [41.42, -87.35], 1.2 ESE CROWN POINT [41.41, -87.35], 0.8 SE CROWN POINT [41.41, -87.36]

06/21/14 19:00 CST	0	Flood (due to Heavy Rain)
06/21/14 23:30 CST	0	Source: Public

A few roadways were flooded in Crown Point with water rising past car bumpers.

An area of thunderstorms moved across northwest Indiana producing torrential rain which resulted in flooding.

NEWTON COUNTY --- 1.4 W FORESMAN [40.87, -87.31], 0.7 WSW FORESMAN [40.87, -87.29], 0.7 WSW FORESMAN [40.87, -87.29], 2.0 WSW FORESMAN [40.86, -87.32], 2.1 ESE BROOK [40.86, -87.33], 2.0 E BROOK [40.87, -87.33]

06/23/14 16:55 CST	0	Flash Flood (due to Heavy Rain)
06/23/14 22:00 CST	0	Source: Fire Department/Rescue

The intersection of State Routes 16 and 55 were impassable and closed due to flooding. Route 16 was also impassable and closed in Foresman. Hazelden Country Club reported the front nine of the golf course was flooded. A storm total of 5.40 inches of rain was measured by Brook Fire Department.

BENTON COUNTY --- 1.0 W FREELAND PARK [40.62, -87.50], 1.1 WNW FREELAND PARK [40.63, -87.50], 0.6 NNW FREELAND PARK [40.63, -87.48], 0.3 SW FREELAND PARK [40.62, -87.48]

06/23/14 17:30 EST	0	Flash Flood (due to Heavy Rain)
06/23/14 23:00 EST	0	Source: Emergency Manager

The intersection of State Roads 71 and 18 had around 6 inches of flowing water. A public report of a measured 5.00 inches of rain was relayed by the emergency manager.

A line of strong thunderstorms slowly moved across northwest Indiana producing torrential rain and flooding. Rainfall totals between four and five inches produced flash flooding in some areas.

LAKE COUNTY --- 0.8 SE MUNSTER [41.56, -87.51], 1.2 SE MUNSTER [41.56, -87.50]

06/30/14 18:38 CST	0	Thunderstorm Wind (EG 60 kt)
06/30/14 18:38 CST	0	Source: Amateur Radio

A light pole was blown down across Ridge Road near Columbia Avenue. Trees to eight inches in diameter were blown down near Calumet Avenue and Ridge Road. A 24-inch diameter tree was split in half.

LAKE COUNTY --- 1.6 S CALUMET CITY [41.60, -87.52]

06/30/14 18:45 CST	25K	Thunderstorm Wind (EG 55 kt)
06/30/14 18:45 CST	0	Source: Trained Spotter

A tree was blown onto a house on the 6400 block of Van Buren Avenue.

PORTER COUNTY --- 0.6 NE CHESTERTON [41.61, -87.04]

## Storm Data and Unusual Weather Phenomena - June 2014

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/30/14 19:11 CST		0	Thunderstorm Wind (MG 56 kt)
	06/30/14 19:11 CST		0	Source: Trained Spotter
<b>LAKE COUNTY --- 0.4 NNE ILLINOI [41.19, -87.53], 1.7 SSW SHELBY [41.18, -87.36]</b>				
	06/30/14 21:36 CST		0	Tornado (EF1, L: 8.60 mi , W: 175 yd)
	06/30/14 21:43 CST		0	Source: NWS Storm Survey
This tornado began north of Momence along Illinois Highway 17, crossed the Illinois-Indiana state line and tracked near 241 st Ave. in Indiana. The tornado then passed through the far south end of the town of Schneider and ended near the Kankakee River southwest of Shelby. Damage was done to a roof of a barn along with numerous hardwood trees snapped and uprooted. Maximum winds were estimated to 110 mph.				
<b>LAKE COUNTY --- 1.1 NNE MUNSTER [41.58, -87.51], 0.7 WNW HAMMOND [41.58, -87.49]</b>				
	06/30/14 21:36 CST		0	Thunderstorm Wind (EG 65 kt)
	06/30/14 21:36 CST		0	Source: Public
Numerous large trees were blown down.				
<b>LAKE COUNTY --- 3.0 W NORTH HAYDEN [41.27, -87.53], 1.6 SSE LOWELL [41.26, -87.41]</b>				
	06/30/14 21:36 CST		0.13M	Tornado (EF1, L: 6.30 mi , W: 415 yd)
	06/30/14 21:44 CST		0	Source: NWS Storm Survey
This tornado began near Kankakee County Highway 13 in Illinois and crossed into Indiana just south of E. 10500N Rd. A house under construction (but sealed) had an exterior wall of the garage blown out, part of a second story exterior wall blown in, and a portion of roof removed. A barn also had substantial roof damage along with numerous large trees snapped, uprooted, and partially stripped of their branches. The tornado dissipated south of Lowell, Indiana near Colfax St. Maximum winds were estimated to 110 mph.				
<b>LAKE COUNTY --- 2.2 W NORTH HAYDEN [41.28, -87.51], 1.2 W LOWELL [41.28, -87.44]</b>				
	06/30/14 21:38 CST		86K	Tornado (EF1, L: 3.80 mi , W: 260 yd)
	06/30/14 21:41 CST		0	Source: NWS Storm Survey
This tornado started slightly east of the Illinois-Indiana state line and crossed U.S. Highway 41 before ending just east of Austin St. There were multiple large hardwood trees snapped and uprooted because of this tornado, as well as roof damage to a barn. Maximum winds were estimated to be 100 mph.				
<b>LAKE COUNTY --- 3.0 W NORTH HAYDEN [41.29, -87.53], 1.9 WSW NORTH HAYDEN [41.27, -87.50]</b>				
	06/30/14 21:38 CST		0	Tornado (EF1, L: 1.50 mi , W: 175 yd)
	06/30/14 21:39 CST		0	Source: NWS Storm Survey
This short-lived tornado began just west of the Illinois- Indiana state line and crossed the state line into a grove of trees and ended near Calumet Ave . There were multiple large trees downed with this tornado. Maximum winds were estimated to 90 mph.				
<b>LAKE COUNTY --- LOWELL [41.28, -87.42], 1.4 S ORCHARD GROVE [41.26, -87.35]</b>				
	06/30/14 21:38 CST		5K	Thunderstorm Wind (EG 78 kt)
	06/30/14 21:46 CST		25K	Source: NWS Storm Survey
Evidence of significant straight line winds up to 90 mph included seven snapped power poles and an approximately mile wide swath of corn crop that was completely flattened and trees snapped. In Lowell, a trained spotter measured 63 mph wind gusts while a mesonet site measured 86 mph wind gusts.				
<b>LAKE COUNTY --- 1.0 W BELSHAW [41.25, -87.47], 2.0 SSE LOWELL [41.25, -87.41]</b>				
	06/30/14 21:39 CST		0	Tornado (EF1, L: 3.20 mi , W: 370 yd)
	06/30/14 21:42 CST		0	Source: NWS Storm Survey
A tornado touched down near the intersection of U.S. Highway 41 and Belshaw Rd and tracked due east ending near Colfax Rd. Damage was done primarily to trees. Maximum winds were estimated to 110 mph.				
<b>LAKE COUNTY --- 0.6 NNW SCHNEIDER [41.19, -87.45], SHELBY [41.20, -87.35]</b>				
	06/30/14 21:41 CST		0.10M	Thunderstorm Wind (EG 65 kt)
	06/30/14 21:47 CST		0	Source: Law Enforcement
A semi truck was blown off Highway 41 near Schneider. Trees and limbs were blown down in Schneider , including some that fell onto cars. A roof was blown off of a house in Shelby.				
<b>LAKE COUNTY --- 0.6 WSW LOWELL [41.28, -87.43], 1.8 SE LOWELL [41.26, -87.40]</b>				

## Storm Data and Unusual Weather Phenomena - June 2014

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/30/14 21:42 CST		28K	Tornado (EF1, L: 2.20 mi , W: 315 yd)
	06/30/14 21:43 CST		0	Source: NWS Storm Survey

This tornado started near Cline Avenue southwest of the community of Lowell and ended near W . 197th Rd. Numerous trees were snapped and uprooted. Maximum winds were estimated to 100 mph.

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### LAKE COUNTY --- 2.4 ENE SCHNEIDER [41.19, -87.41], 1.7 ESE SHELBY [41.19, -87.32]

06/30/14 21:42 CST	60K	Tornado (EF1, L: 4.50 mi , W: 285 yd)
06/30/14 21:46 CST	0	Source: NWS Storm Survey

A tornado started near Colfax St. and tracked through the south side of Shelby, through DeMotte, and ended slightly east of N. 600W Rd. A large barn was completely destroyed, and damage was done to houses in both Shelby and DeMotte. In addition, numerous hardwood trees were snapped and uprooted. Maximum winds were estimated to 110 mph.

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### LAKE COUNTY --- 0.2 SW CROWN POINT [41.42, -87.37], 0.8 ESE CROWN POINT [41.42, -87.36]

06/30/14 21:43 CST	0	Thunderstorm Wind (EG 65 kt)
06/30/14 21:43 CST	0	Source: Law Enforcement

Multiple large trees were uprooted along with large branches and power lines that were blown down.

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### LAKE COUNTY --- 1.5 E LOWELL [41.28, -87.39], 1.3 SW DINWIDDIE [41.27, -87.33]

06/30/14 21:44 CST	0.25M	Tornado (EF2, L: 3.20 mi , W: 295 yd)
06/30/14 21:46 CST	0	Source: NWS Storm Survey

This strong tornado touched down near the intersection of Clark St and Belshaw Rd and ended slightly east of Harrison St. Outbuildings as well as two large grain bins were destroyed, and numerous large high-tension wood power poles were snapped. There was also numerous trees snapped and uprooted along with crop damage. Maximum winds were estimated to 115 mph.

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### LAKE COUNTY --- 0.6 SSW ORCHARD GROVE [41.27, -87.36], 0.7 SSE DINWIDDIE [41.27, -87.31]

06/30/14 21:46 CST	25K	Tornado (EF1, L: 2.10 mi , W: 185 yd)
06/30/14 21:47 CST	0	Source: NWS Storm Survey

This tornado began over a farmstead along Grant St and tracked due east ending near Mississippi St. A large barn was destroyed with the top half of the barn ripped off and the bottom half severely damage. Numerous trees were snapped and uprooted. Maximum winds were estimated to 105 mph.

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### NEWTON COUNTY --- 1.3 NNE THAYER [41.19, -87.32], 3.1 ENE THAYER [41.19, -87.28]

06/30/14 21:46 CST	60K	Tornado (EF1, L: 2.40 mi , W: 395 yd)
06/30/14 21:49 CST	0	Source: NWS Storm Survey

A tornado started near Colfax St. and tracked through the south side of Shelby, through DeMotte, and ended slightly east of N. 600W Rd. A large barn was completely destroyed, and damage was done to houses in both Shelby and DeMotte. In addition, numerous hardwood trees were snapped and uprooted. Maximum winds were estimated to 110 mph.

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### LAKE COUNTY --- 1.1 S COLE ARPT [41.53, -87.27], 1.0 W HOBART [41.53, -87.25]

06/30/14 21:47 CST	0	Thunderstorm Wind (EG 65 kt)
06/30/14 21:47 CST	0	Source: Public

Multiple large trees were blown down.

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### JASPER COUNTY --- 0.8 SSW FOREST CITY [41.19, -87.28], 0.3 W KERSEY [41.20, -87.16]

06/30/14 21:49 CST	60K	Tornado (EF1, L: 6.30 mi , W: 300 yd)
06/30/14 21:54 CST	0	Source: NWS Storm Survey

A tornado started near Colfax St. and tracked through the south side of Shelby, through DeMotte, and ended slightly east of N. 600W Rd. A large barn was completely destroyed, and damage was done to houses in both Shelby and DeMotte. In addition, numerous hardwood trees were snapped and uprooted. Maximum winds were estimated to 110 mph.

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### PORTER COUNTY --- 0.5 SE PORTAGE [41.58, -87.19], 0.4 SE CRISMAN [41.58, -87.16]

06/30/14 21:51 CST	0	Thunderstorm Wind (EG 65 kt)
06/30/14 21:52 CST	0	Source: Public

Multiple large trees were blown down.

## Storm Data and Unusual Weather Phenomena - June 2014

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
LAKE COUNTY --- 0.7 NNE RANGE LINE [41.28, -87.27], 1.7 NE RANGE LINE [41.29, -87.26]	06/30/14 21:52 CST		30K	Thunderstorm Wind (EG 87 kt)
	06/30/14 21:52 CST		0	Source: NWS Storm Survey

Hardwood and softwood trees were snapped and uprooted. Shingles were ripped from a roof and there was damage to siding and downspouts. There was a measured wind gust of 75 mph from a home weather station before electricity went out.

JASPER COUNTY --- 2.1 NE KERSEY [41.22, -87.12], 2.6 NW WHEATFIELD [41.23, -87.09]	06/30/14 21:56 CST		10K	Tornado (EF1, L: 1.92 mi , W: 100 yd)
	06/30/14 21:57 CST		0	Source: NWS Storm Survey

This tornado occurred northwest of Wheatfield tracking near W. 1450N Rd. Damage was done to a large pole barn with the roof blown off and multiple walls collapsed. There were also numerous trees snapped and uprooted. Maximum winds were estimated to 105 mph.

PORTER COUNTY --- 0.7 N VALPARAISO [41.48, -87.05]	06/30/14 21:58 CST		0	Thunderstorm Wind (EG 65 kt)
	06/30/14 21:58 CST		0	Source: Law Enforcement

Numerous trees were blown down.

Extensive damage was sustained from two separate lines of thunderstorms on Monday, June 30th which was officially determined to be from two separate derecho events from Central Iowa east into Michigan and Ohio. Thunderstorms developed over Iowa during the early afternoon and organized into a forward-propagating quasi-linear convective system (QLCS) and tracked to southern Lake Michigan by early to mid evening. Meanwhile, a second complex of intense thunderstorms developed over central and eastern Iowa and also evolved into a QLCS, tracking across northern Illinois and northwest Indiana late in the evening into the overnight hours.

Across northern Illinois and northwest Indiana, the first derecho event produced scattered straight-line wind damage, with gusts measured as high as 70 MPH. The second derecho produced far more extensive damage, with 80 to 90 MPH straight line winds and numerous tornadoes. Initial post-event surveys cataloged 18 tornadoes across northern Illinois and northwest Indiana, 17 of EF1 intensity and one of EF0 intensity. Of these 18 tornadoes, 14 were associated with a pair of large mesovortices that traveled along the Kankakee River Valley in Kankakee County, Illinois and Lake, Newton, and Jasper Counties in Indiana.

Analysis of Google Earth satellite imagery gathered in spring of 2015 showed numerous additional areas of damage not documented in the original survey efforts. A thorough analysis of this imagery and synthesis with the original survey information led to a complete reanalysis of the Kankakee Valley tornadoes. Ultimately, 18 tornado tracks were identified alone in the Kankakee Valley, leading to a total of 22 tornadoes for northern Illinois and northwest Indiana. Of the 18 revised tornadoes, 16 of the paths were determined, in part, using satellite imagery. Further re-examination of the damage also led to a change in rating for several of the damage locations. Of the 18 reanalyzed Kankakee Valley tracks, two were rated EF2, 13 were rated EF1, and three were rated EF0. Additional details on this reanalysis, including the methods used, can be found in the Electronic Journal of Severe Storms Meteorology (Lyza et al. 2019, "A Multi-Platform Reanalysis of the Kankakee Valley Tornado Cluster on 30 June 2014").

### LAKE MICHIGAN

WILMETTE HARBOR TO NORTHERLY ISLAND IL COUNTY --- 1.9 NW NORTHERLY ISLAND [41.89, -87.61], HARRISON-DEVER CRIB [41.92, -87.57]	06/02/14 11:05 CST		0	Marine Thunderstorm Wind (MG 42 kt)
	06/02/14 11:10 CST		0	Source: C-MAN Station

Two docks at DuSable Harbor were dislodged by the strong winds causing minor cosmetic damage to a few boats . Winds caused the chains that hold the boats in place to snap.

A line of thunderstorms moved over Lake Michigan producing winds to 42 knots at Chicago Harrison-Dever Crib.

BURNS HARBOR TO MICHIGAN CITY IN COUNTY --- MICHIGAN CITY HARBOR [41.73, -86.91]	06/18/14 11:15 CST		0	Marine Thunderstorm Wind (MG 44 kt)
	06/18/14 11:35 CST		0	Source: C-MAN Station

A line of thunderstorms moved across Lake Michigan during the late morning and early afternoon of June 18th producing winds to 44 knots at Michigan City.

BURNS HARBOR TO MICHIGAN CITY IN COUNTY --- MICHIGAN CITY HARBOR [41.73, -86.91]				
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## Storm Data and Unusual Weather Phenomena - June 2014

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	06/23/14 14:15 CST		0	Marine Thunderstorm Wind (MG 37 kt)
	06/23/14 14:15 CST		0	Source: C-MAN Station

A line of thunderstorms pushed across the far southern end of Lake Michigan producing strong winds.

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<b>BURNS HARBOR TO MICHIGAN CITY IN COUNTY --- MICHIGAN CITY HARBOR [41.73, -86.91]</b>				
	06/30/14 04:50 CST		0	Marine Thunderstorm Wind (MG 46 kt)
	06/30/14 05:25 CST		0	Source: C-MAN Station

Winds gusted in excess of 34 knots for around 35 minutes peaking at 46 knots.

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<b>BURNS HARBOR TO MICHIGAN CITY IN COUNTY --- 3.5 WNW MICHIGAN CITY HARBOR [41.76, -86.97]</b>				
	06/30/14 05:00 CST		0	Marine Thunderstorm Wind (MG 45 kt)
	06/30/14 05:00 CST		0	Source: Buoy

A line of thunderstorms dropped across southern Lake Michigan producing strong winds.

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<b>WILMETTE HARBOR TO NORTHERLY ISLAND IL COUNTY --- HARRISON-DEVER CRIB [41.92, -87.57]</b>				
	06/30/14 18:30 CST		0	Marine Thunderstorm Wind (MG 37 kt)
	06/30/14 18:30 CST		0	Source: C-MAN Station

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<b>BURNS HARBOR TO MICHIGAN CITY IN COUNTY --- 3.5 WNW MICHIGAN CITY HARBOR [41.76, -86.97]</b>				
	06/30/14 19:10 CST		0	Marine Thunderstorm Wind (MG 41 kt)
	06/30/14 19:10 CST		0	Source: Buoy

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<b>BURNS HARBOR TO MICHIGAN CITY IN COUNTY --- MICHIGAN CITY HARBOR [41.73, -86.91]</b>				
	06/30/14 19:10 CST		0	Marine Thunderstorm Wind (MG 43 kt)
	06/30/14 19:15 CST		0	Source: C-MAN Station

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<b>WILMETTE HARBOR TO NORTHERLY ISLAND IL COUNTY --- HARRISON-DEVER CRIB [41.92, -87.57]</b>				
	06/30/14 21:35 CST		0	Marine Thunderstorm Wind (MG 41 kt)
	06/30/14 21:35 CST		0	Source: C-MAN Station

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<b>BURNS HARBOR TO MICHIGAN CITY IN COUNTY --- MICHIGAN CITY HARBOR [41.73, -86.91]</b>				
	06/30/14 22:10 CST		0	Marine Thunderstorm Wind (MG 59 kt)
	06/30/14 22:25 CST		0	Source: C-MAN Station

Winds gusted in excess of 34 knots for 15 minutes, peaking at 59 knots.

Extensive damage was sustained from two separate lines of thunderstorms on Monday, June 30th which was officially determined to be from two separate derecho events. Thunderstorms developed over Iowa during the early afternoon and organized into a forward-propagating quasi-linear convective system (QLCS) and tracked across lake Michigan by early to mid evening. Meanwhile, a second complex of intense thunderstorms developed over central and eastern Iowa and also evolved into a QLCS, tracking across southern Lake Michigan late in the evening into the overnight hours.