

## Storm Data and Unusual Weather Phenomena - February 2024

| Location  | Date/Time          | Deaths &<br>Injuries | Property &<br>Crop Dmg | Event Type and Details                |
|---|--------------------|----------------------|------------------------|---------------------------------------|
| <b>ILLINOIS, Northeast</b>  |                    |                      |                        |                                       |
| <b>LA SALLE COUNTY --- 1.3 WSW LOSTANT [41.13, -89.08]</b>  |                    |                      |                        |                                       |
|   | 02/08/24 17:03 CST | 0                    |                        | Thunderstorm Wind (EG 52 kt)          |
|   | 02/08/24 17:03 CST | 0                    |                        | Source: NWS Storm Survey              |
| An NWS storm survey determined straight line winds produced damage to several power poles along N 14th Rd southwest of Lostant.                             |                    |                      |                        |                                       |
| <b>LA SALLE COUNTY --- 0.9 WSW LOSTANT [41.13, -89.08]</b>  |                    |                      |                        |                                       |
|   | 02/08/24 17:05 CST | 0                    |                        | Thunderstorm Wind (EG 52 kt)          |
|   | 02/08/24 17:05 CST | 0                    |                        | Source: 911 Call Center               |
| A report was received of a semi truck blown over on I-39 near mile marker 43.   |                    |                      |                        |                                       |
| <b>WILL COUNTY --- 0.7 N IDYLSIDE [41.53, -88.12]</b>   |                    |                      |                        |                                       |
|   | 02/08/24 18:07 CST | 0                    |                        | Hail (1.00 in)                        |
|   | 02/08/24 18:07 CST | 0                    |                        | Source: Public                        |
| <b>COOK COUNTY --- 0.9 NE NORWOOD PARK [42.00, -87.79]</b>  |                    |                      |                        |                                       |
|   | 02/08/24 19:38 CST | 0                    |                        | Hail (1.00 in)                        |
|   | 02/08/24 19:38 CST | 0                    |                        | Source: Public                        |
| A cluster of mostly sub-severe thunderstorms during the evening of the 8th produced isolated instances of severe hail and wind along and south of I-80.     |                    |                      |                        |                                       |
| <b>LEE COUNTY --- 1.6 E MAYTOWN [41.63, -89.34]</b>   |                    |                      |                        |                                       |
|   | 02/27/24 17:28 CST | 0                    |                        | Hail (1.00 in)                        |
|   | 02/27/24 17:28 CST | 0                    |                        | Source: Public                        |
| A report of 1" hail was relayed via mPING.  |                    |                      |                        |                                       |
| <b>LEE COUNTY --- 2.8 N TWELVEMILE CORNER [41.80, -89.08]</b>   |                    |                      |                        |                                       |
|   | 02/27/24 17:57 CST | 0                    |                        | Hail (1.50 in)                        |
|   | 02/27/24 17:57 CST | 0                    |                        | Source: Trained Spotter               |
| <b>LEE COUNTY --- 0.9 NE WOODHAVEN LAKES [41.66, -89.28]</b>  |                    |                      |                        |                                       |
|   | 02/27/24 18:06 CST | 0                    |                        | Hail (1.75 in)                        |
|   | 02/27/24 18:06 CST | 0                    |                        | Source: Law Enforcement               |
| <b>LEE COUNTY --- 1.2 W PAW PAW AIRPORT [41.72, -89.05], 1.2 W PAW PAW AIRPORT [41.72, -89.05]</b>  |                    |                      |                        |                                       |
|   | 02/27/24 18:15 CST | 0                    |                        | Tornado (EF0, L: 0.05 mi , W: 10 yd)  |
|   | 02/27/24 18:16 CST | 0                    |                        | Source: NWS Storm Survey              |
| A brief tornado, which was sighted by storm chasers, touched down along Beemerville Road northeast of Compton and caused roof damage to a farm outbuilding. |                    |                      |                        |                                       |
| <b>LEE COUNTY --- 0.7 S SUBLETTE [41.64, -89.23]</b>  |                    |                      |                        |                                       |
|   | 02/27/24 18:16 CST | 0                    |                        | Hail (1.75 in)                        |
|   | 02/27/24 18:16 CST | 0                    |                        | Source: Emergency Manager             |
| Photo received of golf ball sized hail.   |                    |                      |                        |                                       |
| <b>DE KALB COUNTY --- 2.5 NNE WATERMAN [41.80, -88.75], 2.5 NW HINCKLEY AIRFIELD [41.80, -88.73]</b>  |                    |                      |                        |                                       |
|   | 02/27/24 18:28 CST | 0                    |                        | Tornado (EFU, L: 1.30 mi , W: 120 yd) |
|   | 02/27/24 18:30 CST | 0                    |                        | Source: NWS Storm Survey              |

High resolution satellite imagery showed a ground swirl pattern in a field beginning near Miller Road and IL-23 northeast of Waterman. The tornado moved through a field to the southeast, then turned to the east as it crossed Crego Road. The tornado lifted just east of Crego Road. Because this tornado did not impact any buildings or trees, no intensity estimates could be made, and thus, this tornado was assigned an EF-U rating.

## Storm Data and Unusual Weather Phenomena - February 2024

| Location   | Date/Time          | Deaths &<br>Injuries | Property &<br>Crop Dmg | Event Type and Details                |
|--|--------------------|----------------------|------------------------|---------------------------------------|
| <b>DE KALB COUNTY --- 2.0 NW HINCKLEY AIRFIELD [41.79, -88.73]</b>   |                    |                      |                        |                                       |
|  | 02/27/24 18:30 CST | 0                    |                        | Thunderstorm Wind (EG 61 kt)          |
|  | 02/27/24 18:30 CST | 0                    |                        | Source: NWS Storm Survey              |
| Minor shingle damage to a farmhouse was noted along Lee Rd northwest of Hinckley. Time was estimated using radar.  |                    |                      |                        |                                       |
| <b>DE KALB COUNTY --- SHABBONA [41.77, -88.87]</b>   |                    |                      |                        |                                       |
|  | 02/27/24 18:37 CST | 0                    |                        | Hail (2.00 in)                        |
|  | 02/27/24 18:37 CST | 0                    |                        | Source: Social Media                  |
| Photo received via social media shows 2" hail.   |                    |                      |                        |                                       |
| <b>MCHENRY COUNTY --- 0.9 NW HUNTLEY [42.18, -88.43]</b>   |                    |                      |                        |                                       |
|  | 02/27/24 18:52 CST | 0                    |                        | Hail (1.00 in)                        |
|  | 02/27/24 18:52 CST | 0                    |                        | Source: Public                        |
| <b>DE KALB COUNTY --- 1.5 SSW HINCKLEY [41.75, -88.65], 2.2 ESE HINCKLEY [41.75, -88.60]</b>   |                    |                      |                        |                                       |
|  | 02/27/24 18:53 CST | 0                    |                        | Tornado (EF0, L: 2.59 mi , W: 175 yd) |
|  | 02/27/24 18:56 CST | 0                    |                        | Source: NWS Storm Survey              |
| Storm chasers documented a tornado touching down in a field south of Hinckley near Somonauk Road and Bastian Road. High resolution satellite imagery showed that this tornado first moved to the northeast mostly in open fields, but likely caused tree damage to properties just north of Bastian Road as it crossed into Kane County. The tornado then turned to the east and caused damage to multiple farm outbuildings, peeled shingles off of roofs, and caused tree damage before lifting as it tracked into Big Rock. |                    |                      |                        |                                       |
| <b>DE KALB COUNTY --- 3.4 S HINCKLEY [41.72, -88.64]</b>   |                    |                      |                        |                                       |
|  | 02/27/24 18:53 CST | 0                    |                        | Thunderstorm Wind (EG 61 kt)          |
|  | 02/27/24 18:53 CST | 0                    |                        | Source: NWS Storm Survey              |
| An NWS storm survey found a portion of metal roofing had been peeled back from a farm outbuilding south of Hinckley. Time was estimated using radar.   |                    |                      |                        |                                       |
| <b>KANE COUNTY --- 2.1 SE MAPLE PARK [41.88, -88.57], 2.0 SW CAMPTON HILLS [41.94, -88.44]</b>   |                    |                      |                        |                                       |
|  | 02/27/24 18:55 CST | 0                    |                        | Tornado (EF0, L: 7.89 mi , W: 125 yd) |
|  | 02/27/24 19:11 CST | 0                    |                        | Source: NWS Storm Survey              |
| This tornado touched down along Keslinger Road just west of Watson Road between Maple Park and Elburn . The tornado then may have lifted intermittently as it approached, crossed, and then eventually paralleled Route 38 before sustaining itself on the ground as it tracked northeast into the southwest side of Campton Hills. The path of the tornado was characterized by damage to trees, a grain elevator, a windmill, and roofing. The tornadic damage was consistent with an EF-0 rating with 80 mph winds.         |                    |                      |                        |                                       |
| <b>KANE COUNTY --- 2.7 SW BIG ROCK [41.73, -88.59]</b>   |                    |                      |                        |                                       |
|  | 02/27/24 18:56 CST | 0                    |                        | Thunderstorm Wind (EG 61 kt)          |
|  | 02/27/24 18:56 CST | 0                    |                        | Source: NWS Storm Survey              |
| An NWS storm survey found damage to trees and a farm outbuilding along McDermott Rd just east of the Kane-DeKalb county line. Time was estimated using radar.  |                    |                      |                        |                                       |
| <b>KANE COUNTY --- 2.7 W BIG ROCK [41.75, -88.60], 0.3 N BIG ROCK [41.76, -88.55]</b>  |                    |                      |                        |                                       |
|  | 02/27/24 18:56 CST | 0                    |                        | Tornado (EF0, L: 2.80 mi , W: 175 yd) |
|  | 02/27/24 18:59 CST | 0                    |                        | Source: NWS Storm Survey              |
| Storm chasers documented a tornado touching down in a field south of Hinckley near Somonauk Road and Bastian Road. High resolution satellite imagery showed that this tornado first moved to the northeast mostly in open fields, but likely caused tree damage to properties just north of Bastian Road as it crossed into Kane County. The tornado then turned to the east and caused damage to multiple farm outbuildings, peeled shingles off of roofs, and caused tree damage before lifting as it tracked into Big Rock. |                    |                      |                        |                                       |
| <b>DE KALB COUNTY --- 2.3 NNW SOMONAUK [41.66, -88.70]</b>   |                    |                      |                        |                                       |
|  | 02/27/24 19:01 CST | 0                    |                        | Hail (1.00 in)                        |
|  | 02/27/24 19:01 CST | 0                    |                        | Source: Public                        |

Public reported 1" hail near the intersection of Council Rd and Suydam Rd northwest of Somonauk.

## Storm Data and Unusual Weather Phenomena - February 2024

| Location   | Date/Time          | Deaths & Injuries | Property & Crop Dmg | Event Type and Details                |
|--|--------------------|-------------------|---------------------|---------------------------------------|
| <b>KANE COUNTY --- (ARR) AURORA MUNICIPAL AIRPORT [41.77, -88.47]</b>  |                    |                   |                     |                                       |
|  | 02/27/24 19:05 CST |                   | 0                   | Thunderstorm Wind (MG 55 kt)          |
|  | 02/27/24 19:05 CST |                   | 0                   | Source: ASOS                          |
| <b>DE KALB COUNTY --- 0.9 NE SOMONAUK [41.64, -88.67]</b>  |                    |                   |                     |                                       |
|  | 02/27/24 19:06 CST |                   | 0                   | Hail (1.25 in)                        |
|  | 02/27/24 19:06 CST |                   | 0                   | Source: Public                        |
| A report of 1.25" hail was relayed via mPING.  |                    |                   |                     |                                       |
| <b>KANE COUNTY --- 1.7 N (ARR) AURORA MUNICIPAL AIRPORT [41.79, -88.47], 0.7 WNW BATAVIA [41.85, -88.33]</b>   |                    |                   |                     |                                       |
|  | 02/27/24 19:06 CST |                   | 0                   | Tornado (EF1, L: 8.13 mi , W: 125 yd) |
|  | 02/27/24 19:16 CST |                   | 0                   | Source: NWS Storm Survey              |
| This tornado touched down near Hartner Road southwest of Waubensee Community College and trekked northeastward eventually lifting near McKee Street and Western Avenue in Batavia. Some of the more noteworthy damage along the storm's over 8 mile path include a large wooden barn that had been displaced from its foundation and collapsed near Lake Run as well as damage to some industrial equipment. Several trees, roofs, and business signs also sustained damage along the path. The storm also moved across the Waubensee Community College campus shortly after touching down where it damaged trees and signs and toppled one parking lot light pole.  |                    |                   |                     |                                       |
| <b>KANE COUNTY --- 1.1 WSW GENEVA [41.88, -88.35], 0.3 SE GENEVA [41.89, -88.33]</b>   |                    |                   |                     |                                       |
|  | 02/27/24 19:17 CST |                   | 0                   | Tornado (EF1, L: 1.16 mi , W: 125 yd) |
|  | 02/27/24 19:19 CST |                   | 0                   | Source: NWS Storm Survey              |
| This tornado touched down along Keslinger Road west of Randall Road in Geneva. The first instance of damage was noted to a metal garage/storage building, which had portions of roofing and walls damaged or removed and was shifted off its foundation . The structure did not appear to be properly anchored to its foundation. Trees and a traffic light were then damaged as the tornado crossed the intersection , with shingle, soffit, and siding damage noted at a commercial building before the tornado moved into a residential area. A concentrated corridor of damage consistent with EF -1 wind speeds near 95 mph occurred along Cambridge Drive and Essex Court, where damage to several roofs and windows was observed. In addition, nearby trees were significantly damaged with almost all large branches snapped. The tornado weakened and narrowed as it moved east just north of Kaneville Road, with tree damage noted until the tornado dissipated near Kaneville Road and Burgess Road. The tornado was on the ground for fewer than two minutes. |                    |                   |                     |                                       |
| <b>DU PAGE COUNTY --- (DPA) DUPAGE AIRPORT [41.90, -88.25]</b>   |                    |                   |                     |                                       |
|  | 02/27/24 19:24 CST |                   | 0                   | Thunderstorm Wind (MG 53 kt)          |
|  | 02/27/24 19:24 CST |                   | 0                   | Source: ASOS                          |
| <b>KANE COUNTY --- 2.1 SE SOUTH ELGIN [41.97, -88.26]</b>  |                    |                   |                     |                                       |
|  | 02/27/24 19:25 CST |                   | 0                   | Hail (1.00 in)                        |
|  | 02/27/24 19:25 CST |                   | 0                   | Source: Social Media                  |
| A photo shared via social media shows one inch hail near Wayne.  |                    |                   |                     |                                       |
| <b>WINNEBAGO COUNTY --- 3.4 ENE PECATONICA [42.33, -89.30]</b>   |                    |                   |                     |                                       |
|  | 02/27/24 19:26 CST |                   | 0                   | Hail (1.50 in)                        |
|  | 02/27/24 19:26 CST |                   | 0                   | Source: Public                        |
| <b>COOK COUNTY --- 1.9 NW STREAMWOOD [42.05, -88.20], 0.4 SE SOUTH BARRINGTON [42.09, -88.15]</b>  |                    |                   |                     |                                       |
|  | 02/27/24 19:29 CST |                   | 0                   | Tornado (EF0, L: 3.83 mi , W: 300 yd) |
|  | 02/27/24 19:35 CST |                   | 0                   | Source: NWS Storm Survey              |
| This tornado touched down just west of Sutton Road and north of Golf Road in the Carl Hansen Woods of the Arthur L . Janura Preserve, initially producing tree damage and peeling part of the roof off of a picnic shelter . The tornado may have lifted temporarily as it tracked northeast through the preserve toward Bartlett Road and Shoe Factory Road, but access to these forest preserve areas was limited. Along Higgins Road, roof and fascia damage was noted to several buildings in an office complex before the tornado caused damage at Goebbert `s Farm across the road. In the subdivision to the northeast of the farm, a few trees were uprooted along Star Lane. The tornado then moved into The Glen subdivision , where it produced a swath of concentrated tree damage and damaged roofs and chimneys at a few residences as it reached its peak width. The tornado then produced tree damage along and north of Mundhank Road before it dissipated as it entered the Terra Vita Estates subdivision .   |                    |                   |                     |                                       |
| <b>COOK COUNTY --- 3.0 NNE ELGIN [42.07, -88.24]</b>   |                    |                   |                     |                                       |
|  | 02/27/24 19:30 CST |                   | 0                   | Hail (1.00 in)                        |
|  | 02/27/24 19:30 CST |                   | 0                   | Source: Public                        |

## Storm Data and Unusual Weather Phenomena - February 2024

| Location  | Date/Time          | Deaths &<br>Injuries | Property &<br>Crop Dmg | Event Type and Details                |
|---|--------------------|----------------------|------------------------|---------------------------------------|
| A report of 1" hail was relayed via mPING.  |                    |                      |                        |                                       |
| <b>COOK COUNTY --- 0.2 SSE HOFFMAN ESTATES [42.06, -88.12], 2.1 S INVERNESS [42.09, -88.09]</b> |                    |                      |                        |                                       |
|   | 02/27/24 19:32 CST | 0                    |                        | Tornado (EF1, L: 2.58 mi , W: 110 yd) |
|   | 02/27/24 19:35 CST | 0                    |                        | Source: NWS Storm Survey              |

This tornado touched down in the area near Della Drive in Hoffman Estates and tracked northeast , snapping tree branches, downing power lines along Hassell Road, and damaging shingles, fascia, and gutters on homes. The tornado then tracked across I-90 and entered the Paul Douglas Forest Preserve, where it snapped and uprooted several trees. The tornado then exited the forest preserve and entered the subdivision to the northwest of Algonquin Road and Ela Road, where it caused roof, soffit, and fascia damage to several residences. Shortly thereafter, the tornado lifted as it entered Inverness.

|  |                    |   |  |                                       |
|--|--------------------|---|--|---------------------------------------|
| <b>COOK COUNTY --- 1.2 S SOUTH BARRINGTON [42.07, -88.15], 1.7 SSW INVERNESS [42.10, -88.12]</b> |                    |   |  |                                       |
|  | 02/27/24 19:34 CST | 0 |  | Tornado (EF1, L: 2.45 mi , W: 160 yd) |
|  | 02/27/24 19:37 CST | 0 |  | Source: NWS Storm Survey              |

This tornado formed near Studio Drive in South Barrington, with the first damage observed at the South Barrington Tennis Club . The tornado moved northeastward through eastern sections of The Glen subdivision , producing sporadic tree damage. As the tornado crossed Barrington Road near Mundhank Road, significant tree damage occurred, with numerous branches and trunks snapped. The tornado continued northeast toward Willow Creek Church, where it uprooted at least one tree and damaged metal bus shelters. Damage became less severe as the tornado neared Algonquin Road , but increased again as the tornado turned to the east toward Whispering Trails Drive and Huntington Boulevard in Hoffman Estates . Damage was noted to residences along Chesapeake Court, Fir Court, and Crimson Drive with two residences losing a significant amount of roofing material. Other homes in the neighborhood had shingle damage, and a window was damaged at another residence. Tree damage, including broken limbs, was also observed. Roofing material removed from a home on Fir Court was deposited to the northwest, with plywood impaled into the ground and other debris penetrating the wall of a house, ending up in its living room. The tornado dissipated near Crimson Drive in Hoffman Estates .

|  |                    |   |  |                |
|--|--------------------|---|--|----------------|
| <b>COOK COUNTY --- 1.5 SSE HOFFMAN ESTATES [42.04, -88.11]</b> |                    |   |  |                |
|  | 02/27/24 19:34 CST | 0 |  | Hail (1.00 in) |
|  | 02/27/24 19:34 CST | 0 |  | Source: Public |

A report of 1" hail was relayed via mPING.

|   |                    |   |  |                              |
|---|--------------------|---|--|------------------------------|
| <b>COOK COUNTY --- 0.5 W SCHAUMBURG [42.03, -88.09]</b> |                    |   |  |                              |
|   | 02/27/24 19:35 CST | 0 |  | Thunderstorm Wind (EG 52 kt) |
|   | 02/27/24 19:35 CST | 0 |  | Source: Broadcast Media      |

A tree was reported down near the Schaumburg post office. Time was estimated using radar.

|   |                    |   |  |                              |
|---|--------------------|---|--|------------------------------|
| <b>COOK COUNTY --- 1.5 SE INVERNESS [42.10, -88.08]</b> |                    |   |  |                              |
|   | 02/27/24 19:37 CST | 0 |  | Thunderstorm Wind (EG 65 kt) |
|   | 02/27/24 19:37 CST | 0 |  | Source: NWS Storm Survey     |

Shingle damage was found along Pheasant Trail near Plymouth Dr.

|  |                    |   |  |                              |
|--|--------------------|---|--|------------------------------|
| <b>COOK COUNTY --- 1.6 SSW INVERNESS [42.10, -88.11]</b> |                    |   |  |                              |
|  | 02/27/24 19:37 CST | 0 |  | Thunderstorm Wind (EG 70 kt) |
|  | 02/27/24 19:37 CST | 0 |  | Source: NWS Storm Survey     |

A tree was found uprooted and leaning on a house south of South Ridge Lake in Inverness.

|  |                    |   |  |                         |
|--|--------------------|---|--|-------------------------|
| <b>DU PAGE COUNTY --- 2.1 SSE AURORA [41.74, -88.25]</b> |                    |   |  |                         |
|  | 02/27/24 19:38 CST | 0 |  | Hail (1.00 in)          |
|  | 02/27/24 19:38 CST | 0 |  | Source: Trained Spotter |

A report of 1" hail was relayed via mPING.

|  |                    |   |  |                              |
|--|--------------------|---|--|------------------------------|
| <b>COOK COUNTY --- 0.9 NW PLUM GROVE ESTATES [42.08, -88.04]</b> |                    |   |  |                              |
|  | 02/27/24 19:39 CST | 0 |  | Thunderstorm Wind (MG 56 kt) |
|  | 02/27/24 19:39 CST | 0 |  | Source: Public               |

A private weather station, KILPALAT92, reported a 65 mph gust near Palatine.

|   |  |  |  |  |
|---|--|--|--|--|
| <b>COOK COUNTY --- 1.0 SE INVERNESS [42.11, -88.09]</b> |  |  |  |  |
|---|--|--|--|--|

## Storm Data and Unusual Weather Phenomena - February 2024

| Location   | Date/Time          | Deaths & Injuries | Property & Crop Dmg | Event Type and Details       |
|--|--------------------|-------------------|---------------------|------------------------------|
|  | 02/27/24 19:39 CST |                   | 0                   | Thunderstorm Wind (EG 70 kt) |
|  | 02/27/24 19:39 CST |                   | 0                   | Source: NWS Storm Survey     |
| Siding and fascia damage was found along Palatine Rd along with trees uprooted and branches down.                                      |                    |                   |                     |                              |
| <hr/>  |                    |                   |                     |                              |
| <b>COOK COUNTY --- 1.1 ESE INVERNESS [42.11, -88.08]</b>   |                    |                   |                     |                              |
|  | 02/27/24 19:40 CST |                   | 0                   | Thunderstorm Wind (EG 70 kt) |
|  | 02/27/24 19:40 CST |                   | 0                   | Source: NWS Storm Survey     |
| Numerous branches were found strewn about the Inverness Golf Club with several trees leaning with their roots exposed.                 |                    |                   |                     |                              |
| <hr/>  |                    |                   |                     |                              |
| <b>COOK COUNTY --- 1.2 E INVERNESS [42.12, -88.08]</b>   |                    |                   |                     |                              |
|  | 02/27/24 19:40 CST |                   | 0                   | Thunderstorm Wind (EG 70 kt) |
|  | 02/27/24 19:40 CST |                   | 0                   | Source: NWS Storm Survey     |
| A tree was found leaning on a house along N Roselle Rd just northeast of the Inverness Golf Club.                                      |                    |                   |                     |                              |
| <hr/>  |                    |                   |                     |                              |
| <b>COOK COUNTY --- 2.0 NE INVERNESS [42.14, -88.08]</b>  |                    |                   |                     |                              |
|  | 02/27/24 19:40 CST |                   | 0                   | Thunderstorm Wind (EG 70 kt) |
|  | 02/27/24 19:40 CST |                   | 0                   | Source: Public               |
| A Crabtree Nature Center employee reported tree damage as he drove through the Deer Grove Forest Preserve in Palatine.                 |                    |                   |                     |                              |
| <hr/>  |                    |                   |                     |                              |
| <b>COOK COUNTY --- 2.1 ENE INVERNESS [42.13, -88.06]</b>   |                    |                   |                     |                              |
|  | 02/27/24 19:40 CST |                   | 0                   | Thunderstorm Wind (EG 70 kt) |
|  | 02/27/24 19:40 CST |                   | 0                   | Source: Broadcast Media      |
| A news report showed a collapsed gazebo and multiple felled fence panels just west of Palatine Hills Golf Course.                      |                    |                   |                     |                              |
| <hr/>  |                    |                   |                     |                              |
| <b>COOK COUNTY --- 2.1 NW PALATINE [42.13, -88.06]</b>   |                    |                   |                     |                              |
|  | 02/27/24 19:40 CST |                   | 0                   | Thunderstorm Wind (MG 71 kt) |
|  | 02/27/24 19:40 CST |                   | 0                   | Source: Public               |
| A private weather station, KILPALAT112, reported a 82 mph gust northwest of Palatine.  |                    |                   |                     |                              |
| <hr/>  |                    |                   |                     |                              |
| <b>COOK COUNTY --- 2.1 S INVERNESS [42.09, -88.10]</b>   |                    |                   |                     |                              |
|  | 02/27/24 19:40 CST |                   | 0                   | Thunderstorm Wind (MG 54 kt) |
|  | 02/27/24 19:40 CST |                   | 0                   | Source: Public               |
| A private weather station, KILPALAT43, reported a 62 mph gust near Hoffman Estates.  |                    |                   |                     |                              |
| <hr/>  |                    |                   |                     |                              |
| <b>COOK COUNTY --- 3.0 NE INVERNESS [42.15, -88.06]</b>  |                    |                   |                     |                              |
|  | 02/27/24 19:40 CST |                   | 0                   | Thunderstorm Wind (EG 70 kt) |
|  | 02/27/24 19:40 CST |                   | 0                   | Source: Public               |
| Roof and shingle damage and uprooted trees were reported in the Barrington Woods subdivision in Palatine.                              |                    |                   |                     |                              |
| <hr/>  |                    |                   |                     |                              |
| <b>LAKE COUNTY --- KILDEER [42.17, -88.05]</b>   |                    |                   |                     |                              |
|  | 02/27/24 19:40 CST |                   | 0                   | Thunderstorm Wind (EG 70 kt) |
|  | 02/27/24 19:43 CST |                   | 0                   | Source: Public               |
| Widespread tree damage caused by straight line winds was observed in Kildeer.  |                    |                   |                     |                              |
| <hr/>  |                    |                   |                     |                              |
| <b>LAKE COUNTY --- 1.2 SSE KILDEER [42.15, -88.04]</b>   |                    |                   |                     |                              |
|  | 02/27/24 19:41 CST |                   | 0                   | Thunderstorm Wind (EG 70 kt) |
|  | 02/27/24 19:41 CST |                   | 0                   | Source: Broadcast Media      |
| A news report showed damage to HVAC units and large sections of roof covering that had been removed from a small business in Palatine. |                    |                   |                     |                              |
| <hr/>  |                    |                   |                     |                              |
| <b>LAKE COUNTY --- 4.1 N PALATINE [42.17, -88.02]</b>  |                    |                   |                     |                              |
|  | 02/27/24 19:43 CST |                   | 0                   | Thunderstorm Wind (EG 65 kt) |
|  | 02/27/24 19:43 CST |                   | 0                   | Source: NWS Storm Survey     |

## Storm Data and Unusual Weather Phenomena - February 2024

| Location  | Date/Time          | Deaths &<br>Injuries | Property &<br>Crop Dmg | Event Type and Details               |
|---|--------------------|----------------------|------------------------|--------------------------------------|
| A large pine tree was found snapped at the trunk near IL-53 and Long Grove Rd.  |                    |                      |                        |                                      |
| <b>LAKE COUNTY --- 0.6 ESE LONG GROVE [42.18, -87.99]</b>   |                    |                      |                        |                                      |
|   | 02/27/24 19:46 CST |                      | 0                      | Thunderstorm Wind (EG 52 kt)         |
|   | 02/27/24 19:46 CST |                      | 0                      | Source: NWS Storm Survey             |
| A stretch of IL-83 in Long Grove was covered in tree debris, namely small to medium branches. Crews were also seen working on a leaning power pole in the area, but it's uncertain if this was a result of the storm or preexisting.  |                    |                      |                        |                                      |
| <b>WILL COUNTY --- 1.4 N PLAINFIELD [41.65, -88.20]</b>   |                    |                      |                        |                                      |
|   | 02/27/24 19:47 CST |                      | 0                      | Hail (1.50 in)                       |
|   | 02/27/24 19:47 CST |                      | 0                      | Source: NWS Employee                 |
| An NWS employee observed 1.5" hail in Plainfield.   |                    |                      |                        |                                      |
| <b>LAKE COUNTY --- 1.0 NNW PRAIRIE VIEW [42.21, -87.96]</b>   |                    |                      |                        |                                      |
|   | 02/27/24 19:48 CST |                      | 0                      | Thunderstorm Wind (EG 61 kt)         |
|   | 02/27/24 19:48 CST |                      | 0                      | Source: Public                       |
| Multiple large trees and numerous smaller ones were downed and a fence was blown over in the vicinity of Sullivan Woods in Vernon Hills.  |                    |                      |                        |                                      |
| <b>DU PAGE COUNTY --- 3.2 SSE NAPERVILLE [41.73, -88.12]</b>  |                    |                      |                        |                                      |
|   | 02/27/24 19:49 CST |                      | 0                      | Hail (1.00 in)                       |
|   | 02/27/24 19:49 CST |                      | 0                      | Source: NWS Employee                 |
| An NWS employee observed 1" hail near 87th St and Naper Blvd.   |                    |                      |                        |                                      |
| <b>LAKE COUNTY --- 1.0 E INDIAN CREEK [42.22, -87.96]</b>   |                    |                      |                        |                                      |
|   | 02/27/24 19:50 CST |                      | 0                      | Thunderstorm Wind (EG 52 kt)         |
|   | 02/27/24 19:50 CST |                      | 0                      | Source: Social Media                 |
| A photo shared via social media showed softwood trees snapped in Vernon Hills. Time was estimated using radar.  |                    |                      |                        |                                      |
| <b>WILL COUNTY --- 0.7 S (1C5) BOLINGBROOK CLOW AIRPORT [41.69, -88.13]</b>   |                    |                      |                        |                                      |
|   | 02/27/24 19:51 CST |                      | 0                      | Hail (1.00 in)                       |
|   | 02/27/24 19:51 CST |                      | 0                      | Source: Emergency Manager            |
| Will County EMA reported 1" hail in Bolingbrook.  |                    |                      |                        |                                      |
| <b>LAKE COUNTY --- 0.7 N METTAWA [42.24, -87.93]</b>  |                    |                      |                        |                                      |
|   | 02/27/24 19:53 CST |                      | 0                      | Thunderstorm Wind (EG 52 kt)         |
|   | 02/27/24 19:53 CST |                      | 0                      | Source: Social Media                 |
| A photo shared via social media showed a large tree snapped along Townline Rd in Mettawa. Time was estimated using radar.   |                    |                      |                        |                                      |
| <b>DU PAGE COUNTY --- 1.2 SW DARIEN [41.74, -87.99]</b>   |                    |                      |                        |                                      |
|   | 02/27/24 19:54 CST |                      | 0                      | Hail (2.50 in)                       |
|   | 02/27/24 19:54 CST |                      | 0                      | Source: Trained Spotter              |
| Photo shared from a trained spotter via social media showed 2.5" hail on the south side of Downers Grove.   |                    |                      |                        |                                      |
| <b>LAKE COUNTY --- 0.7 ENE MUNDELEIN [42.26, -87.99], 0.8 E MUNDELEIN [42.26, -87.99]</b>   |                    |                      |                        |                                      |
|   | 02/27/24 19:55 CST |                      | 0                      | Tornado (EF1, L: 0.11 mi , W: 40 yd) |
|   | 02/27/24 19:56 CST | 1                    | 0                      | Source: NWS Storm Survey             |
| This tornado had a very short path with damage confined primarily to a single two-story apartment building. Most of the roof was removed from the building, and a portion of the brick facade also collapsed when the roof was removed. Two large softwood trees in the parking lot east of the building were uprooted. Debris was deposited to the east across the street, where a few tree branches were also snapped. In the apartment building south of the main one that was damaged, a resident described seeing a second story glass patio door on the east side being pulled out and shattered by the winds. One 13 year old resident sustained bad bruising after part of his ceiling collapsed and struck him in the arm. |                    |                      |                        |                                      |
| <b>LAKE COUNTY --- 0.7 N LIBERTYVILLE [42.29, -87.95]</b>   |                    |                      |                        |                                      |

## Storm Data and Unusual Weather Phenomena - February 2024

| Location | Date/Time          | Deaths & Injuries | Property & Crop Dmg | Event Type and Details       |
|----------|--------------------|-------------------|---------------------|------------------------------|
|          | 02/27/24 19:55 CST |                   | 0                   | Thunderstorm Wind (EG 52 kt) |
|          | 02/27/24 19:55 CST |                   | 0                   | Source: Social Media         |

A photo shared via social media showed fence panels blown over in Libertyville. Time was estimated using radar.

| <b>DU PAGE COUNTY --- 3.0 SSE NAPERVILLE [41.73, -88.13]</b> |                    |  |   |                         |
|--|--------------------|--|---|-------------------------|
|  | 02/27/24 19:56 CST |  | 0 | Hail (1.00 in)          |
|  | 02/27/24 19:56 CST |  | 0 | Source: Trained Spotter |

Nickel to quarter sized hail was reported near Washington and 87th Streets in Naperville.

| <b>LAKE COUNTY --- 2.2 NNW WEST LAKE FOREST [42.25, -87.89]</b> |                    |  |   |                              |
|---|--------------------|--|---|------------------------------|
|   | 02/27/24 19:57 CST |  | 0 | Thunderstorm Wind (EG 52 kt) |
|   | 02/27/24 19:57 CST |  | 0 | Source: Social Media         |

A photo shared via social media showed a tree downed onto a road at Lake Forest Academy. Time was estimated using radar.

| <b>WILL COUNTY --- 0.5 W ROMEOVILLE [41.64, -88.10]</b> |                    |  |   |                         |
|---|--------------------|--|---|-------------------------|
|   | 02/27/24 19:57 CST |  | 0 | Hail (1.75 in)          |
|   | 02/27/24 19:57 CST |  | 0 | Source: Broadcast Media |

A photo shared via broadcast media showed golf ball sized hail in northern Romeoville.

| <b>DU PAGE COUNTY --- 2.1 E WOODRIDGE [41.75, -88.01]</b> |                    |  |   |                      |
|---|--------------------|--|---|----------------------|
|   | 02/27/24 20:00 CST |  | 0 | Hail (2.00 in)       |
|   | 02/27/24 20:00 CST |  | 0 | Source: Social Media |

A photo shared via social media showed hail roughly the size of hen eggs between Downers Grove and Darien.

| <b>DU PAGE COUNTY --- 2.5 NE WOODRIDGE [41.77, -88.01]</b> |                    |  |   |                      |
|--|--------------------|--|---|----------------------|
|  | 02/27/24 20:00 CST |  | 0 | Hail (1.00 in)       |
|  | 02/27/24 20:00 CST |  | 0 | Source: NWS Employee |

An NWS employee observed 1" hail in Downers Grove.

| <b>WILL COUNTY --- 1.0 E BOLINGBROOK [41.70, -88.05]</b> |                    |  |   |                |
|--|--------------------|--|---|----------------|
|  | 02/27/24 20:01 CST |  | 0 | Hail (1.25 in) |
|  | 02/27/24 20:01 CST |  | 0 | Source: Public |

| <b>DU PAGE COUNTY --- 1.7 WNW ARGONNE NATIONAL LABORATORY [41.73, -88.01]</b> |                    |  |   |                |
|---|--------------------|--|---|----------------|
|   | 02/27/24 20:06 CST |  | 0 | Hail (1.75 in) |
|   | 02/27/24 20:06 CST |  | 0 | Source: Public |

A report of 1.75" hail was relayed via mPING.

| <b>DU PAGE COUNTY --- 0.9 NW DARIEN [41.76, -87.98]</b> |                    |  |   |                |
|---|--------------------|--|---|----------------|
|   | 02/27/24 20:09 CST |  | 0 | Hail (1.75 in) |
|   | 02/27/24 20:09 CST |  | 0 | Source: Public |

A report of 1.75" hail was relayed via mPING.

| <b>WILL COUNTY --- 0.4 W LOCKPORT [41.59, -88.06]</b> |                    |  |   |                |
|---|--------------------|--|---|----------------|
|   | 02/27/24 20:09 CST |  | 0 | Hail (1.00 in) |
|   | 02/27/24 20:09 CST |  | 0 | Source: Public |

| <b>WILL COUNTY --- 0.7 ESE LOCKPORT [41.59, -88.04]</b> |                    |  |   |                      |
|---|--------------------|--|---|----------------------|
|   | 02/27/24 20:09 CST |  | 0 | Hail (1.00 in)       |
|   | 02/27/24 20:09 CST |  | 0 | Source: NWS Employee |

An NWS employee observed 1" hail in Lockport.

## Storm Data and Unusual Weather Phenomena - February 2024

| Location  | Date/Time          | Deaths &<br>Injuries | Property &<br>Crop Dmg | Event Type and Details    |
|---|--------------------|----------------------|------------------------|---------------------------|
| <b>COOK COUNTY --- 0.9 SW LA GRANGE PARK [41.83, -87.87]</b>  |                    |                      |                        |                           |
|   | 02/27/24 20:10 CST | 0                    |                        | Hail (1.00 in)            |
|   | 02/27/24 20:10 CST | 0                    |                        | Source: Public            |
| A report of 1" hail was relayed via mPING.  |                    |                      |                        |                           |
| <b>WILL COUNTY --- HOMER GLEN [41.60, -87.94]</b>   |                    |                      |                        |                           |
|   | 02/27/24 20:12 CST | 0                    |                        | Hail (1.00 in)            |
|   | 02/27/24 20:12 CST | 0                    |                        | Source: Public            |
| <b>COOK COUNTY --- 2.9 ESE LEMONT [41.65, -87.95]</b>   |                    |                      |                        |                           |
|   | 02/27/24 20:13 CST | 0                    |                        | Hail (1.00 in)            |
|   | 02/27/24 20:13 CST | 0                    |                        | Source: Public            |
| <b>COOK COUNTY --- 1.0 NNW ARCHER HEIGHTS [41.82, -87.72], 0.9 WNW MCKINLEY PARK [41.84, -87.69], 0.8 WNW MCKINLEY PARK [41.83, -87.69], 0.9 NNW ARCHER HEIGHTS [41.82, -87.72]</b> |                    |                      |                        |                           |
|   | 02/27/24 20:30 CST | 0                    |                        | Flood (due to Heavy Rain) |
|   | 02/27/24 21:30 CST | 0                    |                        | Source: NWS Employee      |
| An NWS employee reported multiple lanes of I-55 flooded east of Pulaski Rd.   |                    |                      |                        |                           |
| <b>COOK COUNTY --- 1.0 W BURBANK [41.74, -87.78]</b>  |                    |                      |                        |                           |
|   | 02/27/24 20:30 CST | 0                    |                        | Hail (1.00 in)            |
|   | 02/27/24 20:35 CST | 0                    |                        | Source: COOP Observer     |
| A Cooperative observer reported 1" hail fell in Burbank from 8:30 to 8:35 PM CST. They also noted a 41 mph peak wind gust.  |                    |                      |                        |                           |
| <b>COOK COUNTY --- 1.0 W OAK LAWN [41.72, -87.77]</b>   |                    |                      |                        |                           |
|   | 02/27/24 20:36 CST | 0                    |                        | Hail (1.50 in)            |
|   | 02/27/24 20:36 CST | 0                    |                        | Source: Public            |
| A report of 1.5" hail was relayed via mPING.  |                    |                      |                        |                           |
| <b>COOK COUNTY --- 1.1 NNE ORLAND HILLS [41.60, -87.83]</b>   |                    |                      |                        |                           |
|   | 02/27/24 20:37 CST | 0                    |                        | Hail (1.25 in)            |
|   | 02/27/24 20:37 CST | 0                    |                        | Source: Emergency Manager |
| A photo shared by Kane County EMA shows 1.25" hail near 162nd St and 88th Ave on the south side of Orland Park.   |                    |                      |                        |                           |
| <b>COOK COUNTY --- 0.7 N OAK FOREST [41.61, -87.75]</b>   |                    |                      |                        |                           |
|   | 02/27/24 20:40 CST | 0                    |                        | Hail (1.50 in)            |
|   | 02/27/24 20:52 CST | 0                    |                        | Source: Trained Spotter   |
| A trained spotter reported ping pong ball sized hail near 155th St and Long Ave in Oak Forest. They noted the hail fell from 8:40 to 8:52 PM CST.                                   |                    |                      |                        |                           |
| <b>COOK COUNTY --- 0.9 N OAK FOREST [41.61, -87.75]</b>   |                    |                      |                        |                           |
|   | 02/27/24 20:44 CST | 0                    |                        | Hail (2.00 in)            |
|   | 02/27/24 20:44 CST | 0                    |                        | Source: Emergency Manager |
| <b>COOK COUNTY --- 0.9 NW MIDLOTHIAN [41.63, -87.73]</b>  |                    |                      |                        |                           |
|   | 02/27/24 20:46 CST | 0                    |                        | Hail (1.50 in)            |
|   | 02/27/24 20:46 CST | 0                    |                        | Source: Public            |
| A report of 1.5" hail was relayed via mPING.  |                    |                      |                        |                           |
| <b>COOK COUNTY --- 0.9 SE HEGEWISCH [41.65, -87.54]</b>   |                    |                      |                        |                           |
|   | 02/27/24 20:54 CST | 0                    |                        | Hail (1.75 in)            |
|   | 02/27/24 20:54 CST | 0                    |                        | Source: Social Media      |
| A photo shared via social media showed hail in Chicago's Hegeswisch neighborhood. The biggest stones were roughly the size of golf balls.   |                    |                      |                        |                           |



## Storm Data and Unusual Weather Phenomena - February 2024

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

Following summer-like, record warmth, severe thunderstorms developed in the late afternoon of February 27th over northwest Illinois and spread east through the evening across the Chicago metro area. A total of 11 tornadoes touched down in Illinois. There were 11 tornadoes in total across the NWS Chicago area of responsibility, which is the most in a February event since official NWS tornado records began in 1950. In addition to the tornadoes, the storms produced numerous instances of severe hail and damaging straight-line wind.

### INDIANA, Northwest

#### PORTER COUNTY --- 1.7 SE PORTAGE [41.56, -87.16]

|                    |   |                         |
|--------------------|---|-------------------------|
| 02/08/24 20:41 CST | 0 | Hail (1.00 in)          |
| 02/08/24 20:41 CST | 0 | Source: Trained Spotter |

#### LAKE COUNTY --- 0.5 E CROWN POINT [41.42, -87.36]

|                    |   |                                |
|--------------------|---|--------------------------------|
| 02/08/24 20:50 CST | 0 | Hail (1.00 in)                 |
| 02/08/24 20:50 CST | 0 | Source: Fire Department/Rescue |

A cluster of mostly sub-severe thunderstorms during the evening of the 8th produced a couple of instances of severe hail in northwest Indiana.

#### LAKE COUNTY --- 1.2 NNW (GYG) GARY AIRPORT [41.63, -87.43], 1.9 NE (GYY) GARY AIRPORT [41.64, -87.39]

|                    |   |                                      |
|--------------------|---|--------------------------------------|
| 02/27/24 21:15 CST | 0 | Tornado (EF1, L: 2.17 mi , W: 75 yd) |
| 02/27/24 21:18 CST | 0 | Source: NWS Storm Survey             |

A tornado touched down near Cline Avenue and Industrial Highway just north of Gary Airport . The tornado moved eastward through a wooded industrial area and damaged multiple power poles, including snapping several that were relatively new. Snapped tree limbs were also observed along the path of the tornado. The tornado then turned east-northeast and moved offshore onto Lake Michigan .

Following summer-like, record warmth, severe thunderstorms developed in the late afternoon of February 27th over northwest Illinois and spread east through the evening across the Chicago metro area. One tornado touched down in Indiana on the north side of Gary. There were 11 tornadoes in total across the NWS Chicago area of responsibility, which is the most in a February event since official NWS tornado records began in 1950.

### LAKE MICHIGAN

#### WILMETTE HARBOR TO MICHIGAN CITY IN 5NM OFFSHORE TO MID LAKE COUNTY --- HARRISON-DEVER CRIB [41.92, -87.57]

|                    |   |                                     |
|--------------------|---|-------------------------------------|
| 02/08/24 18:38 CST | 0 | Marine Thunderstorm Wind (MG 51 kt) |
| 02/08/24 18:38 CST | 0 | Source: C-MAN Station               |

The Harrison-Dever Crib recorded a 51 kt wind gust.

A cluster of mostly sub-severe thunderstorms during the evening of the 8th moved offshore over Lake Michigan where a severe wind gust was recorded.

#### CALUMET HARBOR IL TO GARY IN COUNTY --- 1.4 SE BUFFINGTON HARBOR [41.64, -87.39], 2.2 ESE BUFFINGTON HARBOR [41.64, -87.37]

|                    |   |                          |
|--------------------|---|--------------------------|
| 02/27/24 21:18 CST | 0 | Waterspout               |
| 02/27/24 21:19 CST | 0 | Source: NWS Storm Survey |

A tornado touched down near Cline Avenue and Industrial Highway just north of the Gary Airport . It tracked east for a couple of miles before moving out over southern Lake Michigan as a waterspout. It's believed that the twister dissipated not long after moving over the water. A photo was received from a local emergency manager of the tornado after it had moved offshore .

On the evening of the 27th, a complex of severe thunderstorms moved through Chicagoland producing a total of 11 tornadoes across the NWS Chicago area of responsibility before some of the storms move offshore and out over Lake Michigan. One of these 11 tornadoes was an EF-1 which tracked just north of the Gary Airport before moving out over the lake as a waterspout.