

Storm Data and Unusual Weather Phenomena - March 2023

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
ILLINOIS, Northwest				
ROCK ISLAND COUNTY --- 1.6 W MOLINE [41.50, -90.55]				
	03/31/23 14:20 CST	0		Hail (1.00 in)
	03/31/23 14:20 CST	0		Source: Public
BUREAU COUNTY --- 0.9 SE TISKILWA [41.29, -89.51]				
	03/31/23 14:44 CST	0		Hail (1.75 in)
	03/31/23 14:44 CST	0		Source: Public
A public report relayed by broadcast media.				
BUREAU COUNTY --- 0.7 N PRINCETON [41.38, -89.47]				
	03/31/23 14:52 CST	0		Hail (1.00 in)
	03/31/23 14:52 CST	0		Source: Trained Spotter
Relayed by National Weather Service Chicago.				
WHITESIDE COUNTY --- 0.7 N ERIE [41.66, -90.08]				
	03/31/23 14:52 CST	0		Hail (1.00 in)
	03/31/23 14:52 CST	0		Source: Public
Report from Mping.				
BUREAU COUNTY --- 0.5 E NEPONSET [41.30, -89.79]				
	03/31/23 15:25 CST	0		Hail (1.75 in)
	03/31/23 15:25 CST	0		Source: Public
Report relayed by broadcast media.				
BUREAU COUNTY --- 1.5 NNE NEW BEDFORD [41.54, -89.71]				
	03/31/23 15:51 CST	0		Thunderstorm Wind (EG 103 kt)
	03/31/23 15:51 CST	0		Source: NWS Storm Survey
This survey was completed by the NWS in Chicago. Two power poles were snapped at this location.				
MERCER COUNTY --- SEATON [41.10, -90.80]				
	03/31/23 15:58 CST	0		Thunderstorm Wind (EG 70 kt)
	03/31/23 16:10 CST	0		Source: Fire Department/Rescue
Local fire department reported missing shingles on houses, along with destroyed and damaged outbuildings on the outskirts of town. No injuries reported at this time.				
BUREAU COUNTY --- 2.1 N VAN ORIN [41.58, -89.35]				
	03/31/23 16:02 CST	0		Hail (1.00 in)
	03/31/23 16:02 CST	0		Source: Trained Spotter
HANCOCK COUNTY --- 1.4 S NIOTA [40.60, -91.28]				
	03/31/23 16:37 CST	0		Thunderstorm Wind (EG 50 kt)
	03/31/23 16:37 CST	0		Source: Public
A public received via MPING of tree damage at this location.				
HENDERSON COUNTY --- 0.9 NE ROZETTA [40.96, -90.86]				
	03/31/23 16:50 CST	0		Thunderstorm Wind (MG 70 kt)
	03/31/23 17:00 CST	0		Source: Public
Pea sized hail was also falling at the time of the severe wind gust.				
MERCER COUNTY --- SEATON [41.10, -90.80]				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	03/31/23 17:00 CST		0	Thunderstorm Wind (EG 56 kt)
	03/31/23 17:00 CST		0	Source: Fire Department/Rescue

Reports of missing shingles from homes, destroyed or damage outbuildings on the outskirts of town. No injuries were reported.

ROCK ISLAND COUNTY --- 0.9 NW LOUD THUNDER PARK [41.44, -90.84]

03/31/23 17:00 CST	0	Hail (0.88 in)
03/31/23 17:00 CST	0	Source: Trained Spotter

WARREN COUNTY --- 3.8 SW ELEANOR [40.94, -90.75]

03/31/23 17:00 CST	0	Thunderstorm Wind (EG 65 kt)
03/31/23 17:00 CST	0	Source: Trained Spotter

A trained spotter reports that the tops were snapped out of trees. They estimated the winds of 70 to 75 MPH.

WARREN COUNTY --- 3.8 SW ELEANOR [40.94, -90.75]

03/31/23 17:00 CST	0	Thunderstorm Wind (EG 65 kt)
03/31/23 17:15 CST	0	Source: Trained Spotter

Tops snapped off of trees, with estimated winds of 70 to 75 mph. Time estimated off of radar.

ROCK ISLAND COUNTY --- 2.2 WSW BLACKHAWK STATE PARK [41.46, -90.61]

03/31/23 17:05 CST	0	Thunderstorm Wind (MG 50 kt)
03/31/23 17:05 CST	0	Source: Trained Spotter

A trained spotter estimated a 58 MPH wind gust at I-280 and Jumer's Casino.

MERCER COUNTY --- 1.5 SSW MILLERSBURG [41.21, -90.83]

03/31/23 17:13 CST	0	Thunderstorm Wind (EG 61 kt)
03/31/23 17:13 CST	0	Source: Trained Spotter

A trained spotter reported limbs down. They estimated the winds up to 70 MPH.

ROCK ISLAND COUNTY --- 0.7 S MOLINE [41.49, -90.52]

03/31/23 17:13 CST	0	Hail (1.00 in)
03/31/23 17:13 CST	0	Source: Public

Report from Mping.

JO DAVIESS COUNTY --- 2.3 WSW BLANDING [42.25, -90.42], 1.6 W BLANDING [42.27, -90.41]

03/31/23 17:17 CST	0	Tornado (EFU, L: 1.02 mi , W: 100 yd)
03/31/23 17:19 CST	0	Source: NWS Storm Survey

A tornado touched down just south of Bellevue, and moved northeast over the Mississippi River before dissipating. This tornado impacted an RV park and some cabins located nearby. Some structural damage was noted, with some RVs that were flipped and damaged. Several trees within the area were also impacted, with some uprooted. Three injuries were noted with this tornado in the vicinity of the RV park. This tornado continued into Jo Daviess County, Illinois, but likely dissipated over the river as no damage was observed in a wooded area adjacent to the river. Peak winds were estimated around 105 mph. The tornado damage in Bellevue was rated EF-1. The rating in Jo Daviess County was EF-U as there was no observable damage.

HENRY COUNTY --- WOODHULL [41.18, -90.32]

03/31/23 17:20 CST	0	Thunderstorm Wind (EG 61 kt)
03/31/23 17:20 CST	0	Source: Trained Spotter

A trained spotter reported a roof off of a barn with damage to outbuildings.

ROCK ISLAND COUNTY --- 0.5 E HAMPTON [41.55, -90.41]

03/31/23 17:20 CST	0	Hail (0.75 in)
03/31/23 17:20 CST	0	Source: Social Media

HENRY COUNTY --- 3.9 ENE MORRISTOWN [41.42, -90.23], 1.0 W GENESEO [41.45, -90.17]

Storm Data and Unusual Weather Phenomena - March 2023

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	03/31/23 17:24 CST		0	Tornado (EF2, L: 3.55 mi , W: 300 yd)
	03/31/23 17:28 CST		0	Source: NWS Storm Survey

A strong tornado with estimated 135 mph winds developed a few miles southwest of Geneseo, IL, and tracked into the west side of town. Ground scouring was noted in the path through the fields, heading towards town. In town, several structures were damaged to completely destroyed, including: farm outbuildings, businesses, and warehouses. Several vehicles and trees were also damaged in the path of the tornado.

HENRY COUNTY --- 1.6 E NEKOMA [41.17, -90.15]

	03/31/23 17:27 CST		0	Thunderstorm Wind (EG 100 kt)
	03/31/23 17:27 CST		0	Source: Emergency Manager

The Emergency Manager reported that 4 power poles were broken. The time of the event was estimated using radar.

HENRY COUNTY --- 4.3 NNW ATKINSON [41.48, -90.06], 4.7 NNE ATKINSON [41.49, -90.00]

	03/31/23 17:33 CST		0	Tornado (EF2, L: 3.05 mi , W: 200 yd)
	03/31/23 17:37 CST		0	Source: NWS Storm Survey

A brief, yet strong tornado tracked north of Atkinson, IL for a few miles, leading to tree damage and damage to farmsteads. Total destruction was noted on one of the outbuildings, with debris scattered throughout the nearby fields. Peak winds estimated at 110 mph.

HENRY COUNTY --- 3.0 NNE ATKINSON [41.46, -90.00], 4.8 SE HOOPPOLE [41.52, -89.86]

	03/31/23 17:36 CST		0	Tornado (EF2, L: 8.33 mi , W: 440 yd)
	03/31/23 17:46 CST		0	Source: NWS Storm Survey

An EF2 tornado developed north of Atkinson, in Henry County, and tracked northeast towards Hooppole, then tracking more easterly for another mile where it ended in western Bureau County as an EF1. For the most part, this tornado was around 200 yards wide, but maxed out at 440 yards just south of Hooppole. At the start of the path, a house sustained siding and window damage, with more damage done to the brick grain silo and outbuilding. As the tornado tracked northeast, additional barns, outbuildings, and trees were damaged. As the tornado moved just south of Hooppole, more outbuildings and barns were damaged, and a house sustained substantial damage, losing its entire roof. Near the end of the path, another grain silo collapsed. The peak estimated winds were 120 mph in Henry County. The tornado crossed into Bureau County about a third of a mile north of Highway 23, on 00 E St, then lifted about one mile to the E/NE.

HENRY COUNTY --- 3.7 W KEWANEE MUNI ARPT [41.23, -90.02], 1.3 WSW BRADENBURG CORNERS [41.27, -89.90]

	03/31/23 17:37 CST		0	Tornado (EF2, L: 6.82 mi , W: 650 yd)
	03/31/23 17:43 CST		0	Source: NWS Storm Survey

This wide, multi-vortex EF2 tornado touched down west of Kewanee, where it damaged farm buildings and power poles. The tornado continued through the north side of Kewanee, where it primarily damaged trees and sheds. The tornado continued to the northeast of Kewanee with more significant tree and power pole damage. Estimated peak winds were near 120 mph.

CARROLL COUNTY --- 3.5 S MT CARROLL [42.05, -89.97], 3.1 SSE MT CARROLL [42.06, -89.96]

	03/31/23 17:39 CST		0	Tornado (EF1, L: 0.98 mi , W: 50 yd)
	03/31/23 17:42 CST		0	Source: NWS Storm Survey

A brief tornado occurred near Mt. Carroll as a line of supercell thunderstorms swept northeast over Illinois on March 31st. This tornado was found using satellite information to identify a damage track. There was confirmed powerline damage in that track.

BUREAU COUNTY --- 2.0 W THOMAS [41.52, -89.86], 1.0 W THOMAS [41.52, -89.84]

	03/31/23 17:46 CST		0	Tornado (EF1, L: 0.99 mi , W: 200 yd)
	03/31/23 17:47 CST		0	Source: NWS Storm Survey

A tornado developed north of Atkinson, in Henry County, and tracked northeast towards Hooppole, then tracking more easterly for another mile where it ended in western Bureau County. The tornado crossed into Bureau County about a third of a mile north of Highway 23, on 00 E St, then lifted about one mile to the E/NE. The tornado was rated EF-2 in Henry County, and EF-1 in Bureau County.

BUREAU COUNTY --- 2.2 ENE THOMAS [41.53, -89.78]

	03/31/23 17:47 CST		0	Thunderstorm Wind (EG 84 kt)
	03/31/23 17:47 CST		0	Source: NWS Storm Survey

This survey was completed by the NWS in Chicago. Damage to the roof of a home at this location. The damage at this location extended eastward with farm outbuildings as well as damage to trees and tree limbs down.

BUREAU COUNTY --- 3.3 NW NEW BEDFORD [41.55, -89.77], 1.4 NW NORMANDY [41.59, -89.67]

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	03/31/23 17:48 CST		0	Tornado (EF1, L: 5.85 mi , W: 150 yd)
	03/31/23 17:54 CST		0	Source: NWS Storm Survey

This tornado began just south of Illinois highway 92 in northwest Bureau county in the NWS Quad Cities county warning area. It then moved into far southeast Whiteside county, near the intersection of Osage Road and 1050 St E. The tornado tracked for 2 miles in Whiteside County, before moving into Lee County, about a half mile south of the Green River. This tornado would continue for 6 additional miles into southwest Lee County (see NWS Chicago StormData). The damage from this tornado included numerous heavily damaged outbuildings, several snapped power poles, and dozens of trees. The worst damage was to a large farmstead outbuilding on the Whiteside and Bureau County border area, with the roof and two of the four walls destroyed and debris slung well into a field. Peak winds with this tornado were estimated at 110 mph. The tornado was rated EF1 in Bureau and Whiteside Counties.

BUREAU COUNTY --- 1.7 WNW NEW BEDFORD [41.53, -89.75]

03/31/23 17:49 CST	0	Thunderstorm Wind (EG 86 kt)
03/31/23 17:49 CST	0	Source: NWS Storm Survey

This survey was completed by the NWS in Chicago. The survey team found overturned farm outbuildings were found at this location.

CARROLL COUNTY --- 4.3 ESE LANARK [42.08, -89.75], 2.6 ESE SHANNON [42.13, -89.69]

03/31/23 17:50 CST	0	Tornado (EF1, L: 4.75 mi , W: 200 yd)
03/31/23 17:56 CST	0	Source: NWS Storm Survey

This tornado began southeast of Lanark in Carroll County and tracked to the northeast before moving into Ogle County about a quarter mile north of the intersection of W White Oak Road and N Brookville Road. The tornado path then continued for about 5 miles through Ogle County (see NWS Chicago StormData). The tornado then crossed into Stephenson County, just east of the intersection of N Mt. Vernon Road and Montague Road. This tornado caused extensive damage to several farm buildings and also downed a few trees along its path. The tornado was rated EF-1 in Carroll and Ogle Counties. In Stephenson County, there was no observable damage so the rating is EF-U.

BUREAU COUNTY --- 1.5 NNW MANLIUS [41.47, -89.68]

03/31/23 17:54 CST	0	Thunderstorm Wind (EG 61 kt)
03/31/23 17:54 CST	0	Source: Emergency Manager

Two farm outbuildings were destroyed.

WHITESIDE COUNTY --- 3.0 SE DEER GROVE [41.59, -89.67], 2.4 S HAHNAMAN [41.60, -89.63]

03/31/23 17:54 CST	0	Tornado (EF1, L: 1.97 mi , W: 150 yd)
03/31/23 17:56 CST	0	Source: NWS Storm Survey

This tornado began just south of Illinois highway 92 in northwest Bureau County, then moved into far southeast Whiteside county, near the intersection of Osage Road and 1050 St E. The tornado tracked for 2 miles in Whiteside County, before moving into Lee County, about a half mile south of the Green River. This tornado would continue for 6 additional miles into southwest Lee County (see NWS Chicago StormData). The damage from this tornado included numerous heavily damaged outbuildings, several snapped power poles, and dozens of trees. The worst damage was to a large farmstead outbuilding on the Whiteside and Bureau County border area, with the roof and two of the four walls destroyed and debris slung well into a field. Peak winds with this tornado were estimated at 110 mph. The tornado was rated EF1 in Bureau and Whiteside Counties.

BUREAU COUNTY --- 2.6 SW WALNUT [41.52, -89.63]

03/31/23 17:55 CST	0	Thunderstorm Wind (EG 65 kt)
03/31/23 17:55 CST	0	Source: NWS Storm Survey

This survey was completed by the NWS in Chicago. The survey team found roof removed from a manufactured home.

BUREAU COUNTY --- 1.5 SSW WALNUT [41.53, -89.61]

03/31/23 17:56 CST	0	Thunderstorm Wind (EG 65 kt)
03/31/23 17:56 CST	0	Source: NWS Storm Survey

This survey was completed by the NWS in Chicago. The survey team found loss of a portion of the roof on a farm outbuilding.

BUREAU COUNTY --- 3.2 ESE WALNUT [41.54, -89.54]

03/31/23 17:57 CST	0	Thunderstorm Wind (EG 78 kt)
03/31/23 17:57 CST	0	Source: NWS Storm Survey

This survey was completed by the NWS in Chicago. The survey team found snapped tree trunks at his location.

BUREAU COUNTY --- 2.6 E WALNUT [41.55, -89.55]

Storm Data and Unusual Weather Phenomena - March 2023

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	03/31/23 17:58 CST		0	Thunderstorm Wind (EG 78 kt)
	03/31/23 17:58 CST		0	Source: NWS Storm Survey

This survey was completed by the NWS in Chicago. The survey team found damage to the roof of a farm outbuilding. South of this location there was damage to trees.

BUREAU COUNTY --- 1.7 NW OHIO [41.57, -89.49]

03/31/23 18:00 CST	0	Thunderstorm Wind (EG 78 kt)
03/31/23 18:00 CST	0	Source: NWS Storm Survey

This survey was completed by the NWS in Chicago. The survey team found damage to the roof of a farm outbuilding.

BUREAU COUNTY --- 2.1 N OHIO [41.58, -89.47]

03/31/23 18:01 CST	0	Thunderstorm Wind (EG 85 kt)
03/31/23 18:01 CST	0	Source: NWS Storm Survey

This survey was completed by the NWS in Chicago. The survey team found broken power poles.

BUREAU COUNTY --- 3.0 NNE OHIO [41.59, -89.45]

03/31/23 18:01 CST	0	Thunderstorm Wind (EG 81 kt)
03/31/23 18:01 CST	0	Source: NWS Storm Survey

This survey was completed by the NWS in Chicago. The survey team found multiple tree trunks snapped in the area.

STEPHENSON COUNTY --- 1.4 S FLORENCE [42.20, -89.65], 0.6 SE FLORENCE [42.21, -89.64]

03/31/23 18:01 CST	0	Tornado (EFU, L: 1.00 mi , W: 50 yd)
03/31/23 18:02 CST	0	Source: NWS Storm Survey

This tornado began southeast of Lanark in Carroll County and tracked to the northeast before moving into Ogle County about a quarter mile north of the intersection of W White Oak Road and N Brookville Road. The tornado path then continued for about 5 miles through Ogle County (see NWS Chicago StormData). The tornado then crossed into Stephenson County, just east of the intersection of N Mt. Vernon Road and Montague Road. This tornado caused extensive damage to several farm buildings and also downed a few trees along its path. The tornado dissipated near the intersection of Florence Road and Illinois Route 26. The tornado was rated EF-1 in Carroll and Ogle Counties. In Stephenson County, there was no observable damage so the rating is EF-U.

JO DAVIESS COUNTY --- 3.5 N STOCKTON [42.40, -89.99]

03/31/23 18:07 CST	0	Thunderstorm Wind (MG 56 kt)
03/31/23 18:07 CST	0	Source: Trained Spotter

A very strong system developed on the morning of March 31st and tracked across the state of Iowa. This system pulled unseasonably warm and moist air into the Midwest, which combined with a very favorable wind profile to create a volatile environment for severe thunderstorms. Discrete supercell thunderstorms occurred initially, but quickly transitioned into a QLCS mode. This system produced a historic tornado outbreak for the area, with a record 29 tornadoes on the day, including 13 rated EF-2, 1 rated EF-3, and 1 rated EF-4. This was the first EF-4 tornado in the NWS Quad Cities service area since 1995. 11 injuries were reported, with no known fatalities. In addition to the numerous tornadoes, there were many large hail and damaging wind reports. Maximum straight line thunderstorm winds were estimated at 80 to 90 mph.

IOWA, East Central and Southeast

HENRY COUNTY --- 1.6 W NEW LONDON [40.92, -91.43]

03/31/23 13:08 CST	0	Hail (1.00 in)
03/31/23 13:08 CST	0	Source: Trained Spotter

KEOKUK COUNTY --- 1.7 SE MARTINSBURG [41.16, -92.23], 2.6 SW KEOTA [41.34, -92.00]

03/31/23 14:49 CST	0	Tornado (EF3, L: 17.38 mi , W: 1000 yd)
03/31/23 15:15 CST	0	Source: NWS Storm Survey

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
<p>A large violent tornado developed in Wapello County (see NWS Des Moines Storm Data) and tracked into Keokuk County about 1 mile southeast of Martinsburg on Wapello-Keokuk Road. The tornado continued to the northeast before lifting just north of Highway 92, southwest of Keota. The tornado produced EF-3 damage to a house northeast of Martinsburg, and caused additional significant damage to farmsteads and outbuildings. The tornado was on the ground in Keokuk County for about 17 miles, with a maximum width of 1000 yards and peak estimated winds of 150 MPH.</p>				
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KEOKUK COUNTY --- 2.7 WNW TALLEYRAND [41.31, -92.03], 1.9 NE KEOTA [41.39, -91.95]				
	03/31/23 15:10 CST		0	Tornado (EF4, L: 7.09 mi , W: 700 yd)
	03/31/23 15:19 CST	3	0	Source: NWS Storm Survey
<p>Another large, violent tornado developed in eastern Keokuk County as the initial tornado was weakening southwest of Keota. The tornado tracked to the northeast, on the western fringe of Keota, and crossed into Washington County near the intersection of Keokuk-Washington Road and 180th St. The tornado then continued through northwest Washington county , extreme southeast Iowa County, and into far southwest Johnson County. The tornado severely damaged several homes near Keota, wiping one house completely off its foundation , resulting in EF-4 level damage. A car was lofted in the air and tossed about 1000 feet into a nearby field and trees were completely debarked with only stubs of the largest branches remaining. As the tornado tracked west of Wellman, Iowa it knocked over a 325 ft cell phone tower. The tornado began to dissipate as it tracked into far southwest Johnson County. The tornado was rated EF-4 in Keokuk County, EF-3 in Washington County, and EF-1 in Iowa and Johnson Counties.</p>				
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WASHINGTON COUNTY --- 7.4 NW WEST CHESTER [41.39, -91.95], 2.8 N WELLMAN [41.51, -91.83]				
	03/31/23 15:19 CST		0	Tornado (EF3, L: 10.19 mi , W: 700 yd)
	03/31/23 15:33 CST		0	Source: NWS Storm Survey
<p>Another large, violent tornado developed in eastern Keokuk County as the initial tornado was weakening southwest of Keota. The tornado tracked to the northeast, on the western fringe of Keota, and crossed into Washington County near the intersection of Keokuk-Washington Road and 180th St. The tornado then continued through northwest Washington county , extreme southeast Iowa County, and into far southwest Johnson County. The tornado severely damaged several homes near Keota, wiping one house completely off its foundation , resulting in EF-4 level damage. A car was lofted in the air and tossed about 1000 feet into a nearby field and trees were completely debarked with only stubs of the largest branches remaining. As the tornado tracked west of Wellman, Iowa it knocked over a 325 ft cell phone tower. The tornado moved into extreme southeast Iowa County near the intersection of Iowa-Washington Road and Ginkgo Ave., and then into far southwest Johnson County, about a third of a mile north of the intersection of Iowa- Washington Road and Johnson Iowa Road SW. The tornado was rated EF-4 in Keokuk County, EF-3 in Washington County, and EF-1 in Iowa and Johnson Counties.</p>				
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KEOKUK COUNTY --- 0.9 SE KEOTA [41.36, -91.96]				
	03/31/23 15:29 CST		0	Hail (1.00 in)
	03/31/23 15:29 CST		0	Source: Trained Spotter
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BENTON COUNTY --- 0.5 E GARRISON [42.15, -92.14]				
	03/31/23 15:30 CST		0	Thunderstorm Wind (MG 52 kt)
	03/31/23 15:30 CST		0	Source: Emergency Manager
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BENTON COUNTY --- 0.9 SE GARRISON [42.14, -92.14]				
	03/31/23 15:30 CST		0	Hail (1.00 in)
	03/31/23 15:30 CST		0	Source: Emergency Manager
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IOWA COUNTY --- 6.6 SE HOLBROOK [41.51, -91.83], 6.5 SE HOLBROOK [41.52, -91.83]				
	03/31/23 15:33 CST		0	Tornado (EF1, L: 0.38 mi , W: 700 yd)
	03/31/23 15:34 CST		0	Source: Official NWS Observations
<p>Another large, violent tornado developed in eastern Keokuk County as the initial tornado was weakening southwest of Keota. The tornado tracked to the northeast, on the western fringe of Keota, and crossed into Washington County near the intersection of Keokuk-Washington Road and 180th St. The tornado then continued through northwest Washington county , extreme southeast Iowa County, and into far southwest Johnson County. The tornado severely damaged several homes near Keota, wiping one house completely off its foundation , resulting in EF-4 level damage. A car was lofted in the air and tossed about 1000 feet into a nearby field and trees were completely debarked with only stubs of the largest branches remaining. As the tornado tracked west of Wellman, Iowa it knocked over a 325 ft cell phone tower. The tornado moved into extreme southeast Iowa County near the intersection of Iowa-Washington Road and Ginkgo Ave., and then into far southwest Johnson County, about a third of a mile north of the intersection of Iowa- Washington Road and Johnson Iowa Road SW. The tornado was rated EF-4 in Keokuk County, EF-3 in Washington County, and EF-1 in Iowa and Johnson Counties.</p>				
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JOHNSON COUNTY --- 2.7 WSW AMISH [41.52, -91.83], 1.2 WNW AMISH [41.54, -91.80]				
	03/31/23 15:34 CST		0	Tornado (EF1, L: 2.24 mi , W: 700 yd)
	03/31/23 15:37 CST		0	Source: NWS Storm Survey

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<p>Another large, violent tornado developed in eastern Keokuk County as the initial tornado was weakening southwest of Keota. The tornado tracked to the northeast, on the western fringe of Keota, and crossed into Washington County near the intersection of Keokuk-Washington Road and 180th St. The tornado then continued through northwest Washington county , extreme southeast Iowa County, and into far southwest Johnson County. The tornado severely damaged several homes near Keota, wiping one house completely off its foundation, resulting in EF-4 level damage. A car was lofted in the air and tossed about 1000 feet into a nearby field and trees were completely debarked with only stubs of the largest branches remaining. As the tornado tracked west of Wellman, Iowa it knocked over a 325 ft cell phone tower. The tornado moved into extreme southeast Iowa County near the intersection of Iowa-Washington Road and Ginkgo Ave., and then into far southwest Johnson County, about a third of a mile north of the intersection of Iowa- Washington Road and Johnson Iowa Road SW. The tornado dissipated just northwest of Hillcrest Academy in Johnson County . The tornado was rated EF-4 in Keokuk County, EF-3 in Washington County, and EF-1 in Iowa and Johnson Counties.</p>				

BENTON COUNTY --- 3.1 WNW VINTON [42.18, -92.09], 2.5 SW VINTON MEML ARPT [42.20, -92.06]				
	03/31/23 15:36 CST		0	Tornado (EF2, L: 1.70 mi , W: 50 yd)
	03/31/23 15:39 CST		0	Source: NWS Storm Survey

The tornado developed northwest of Vinton, Iowa and moved northeast, producing damage to farm buildings, trees, and power poles.

JOHNSON COUNTY --- 0.5 W AMISH [41.53, -91.79], 2.6 E WINDHAM [41.60, -91.72]				
	03/31/23 15:37 CST		0	Tornado (EF0, L: 6.10 mi , W: 50 yd)
	03/31/23 15:46 CST		0	Source: NWS Storm Survey

A review of Sentinel satellite data confirms that a separate tornado developed near Amish , and moved northeast around 6 miles to near Frytown, before dissipating. The tornado caused damage to farm outbuildings along its path. The tornado was rated EF0 with maximum winds around 85 mph. After the tornado dissipated, the associated supercell thunderstorm cycled again and produced an EF2 tornado that tracked from Coralville to Solon.

BENTON COUNTY --- 0.9 SW VAN HORNE [42.01, -92.09]				
	03/31/23 15:40 CST		0	Hail (1.00 in)
	03/31/23 15:40 CST		0	Source: Trained Spotter

BENTON COUNTY --- 2.2 ENE GARRISON [42.16, -92.11]				
	03/31/23 15:46 CST		0	Hail (1.00 in)
	03/31/23 15:46 CST		0	Source: Emergency Manager

BENTON COUNTY --- 0.7 N CHENEY [42.26, -91.93], 3.1 WNW SPENCERS GROVE [42.30, -91.92]				
	03/31/23 15:47 CST		0	Tornado (EF2, L: 2.64 mi , W: 50 yd)
	03/31/23 15:51 CST		0	Source: NWS Storm Survey

An NWS Storm Survey found a EF-2 tornado with estimated peak winds of 115 mph. A tornado produced a short path of significant tree and farm outbuilding damage, as well as damage to a home. The tornado crossed into Buchanan County along Benton-Buchanan Road at the Bearbower Sand Prairie County Park. The final tornado path was confirmed during a review of Sentinel satellite data.

JOHNSON COUNTY --- 3.4 ESE COSGROVE [41.63, -91.69], 0.9 NE SOLON [41.81, -91.49]				
	03/31/23 15:48 CST		0	Tornado (EF2, L: 16.93 mi , W: 75 yd)
	03/31/23 16:08 CST	2	0	Source: NWS Storm Survey

A tornado developed just southwest of Coralville, crossed Highway 218 and damaged the James St. Warehouse near Highway 6 in Coralville. Several trailers and a truck were flipped over in the vicinity. A retail building also had part of a roof lifted off with several vehicles rolled or flipped . The tornado then tracked into a residential area and uprooted and snapped numerous trees. At least 2 injuries were reported by emergency management. Damage then became more sporadic before the tornado reintensified across Coralville Reservoir. A more concentrated path began near Sugar Bottom campground east of North Liberty and continued northeast towards Solon. A radio tower collapsed and a roof was lifted off a home and partially removed . The tornado continued northeast into a field before eventually reaching another farmstead and destroying an outbuilding. Debris from the farmstead was lofted into a field with a 2x4 driven into the ground. The tornado continued into Solon, uprooting trees, bending street signs, and destroying another outbuilding before dissipating and lifting just north of Sutliff Rd .

BENTON COUNTY --- 0.5 SE CHENEY [42.25, -91.92], 1.3 NE CHENEY [42.26, -91.92]				
	03/31/23 15:51 CST		0	Tornado (EFU, L: 1.35 mi , W: 10 yd)
	03/31/23 15:53 CST		0	Source: NWS Storm Survey

A small, distinct tornado path was identified northwest of Urbana, Iowa, after analyzing post-event Sentinel satellite data. There was no observable damage to assign an EF-scale rating.

BUCHANAN COUNTY --- 3.6 SE LIME CREEK CO PARK [42.30, -91.92], 2.5 E LIME CREEK CO PARK [42.33, -91.93]				
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Storm Data and Unusual Weather Phenomena - March 2023

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	03/31/23 15:51 CST		0	Tornado (EFU, L: 2.23 mi , W: 50 yd)
	03/31/23 15:54 CST		0	Source: NWS Storm Survey

The tornado developed in Benton County and crossed into Buchanan County along Benton-Buchanan Road at the Bearbower Sand Prairie County Park. The final tornado path was confirmed during a review of Sentinel satellite data. There was no observable damage in Buchanan County to assign a rating. The tornado was rated EF-2 in Benton County and EF-U in Buchanan County.

JOHNSON COUNTY --- 0.9 SW HILLS [41.54, -91.56], 0.5 W OASIS [41.70, -91.39]

	03/31/23 15:53 CST		0	Tornado (EF2, L: 14.69 mi , W: 100 yd)
	03/31/23 16:08 CST		0	Source: Trained Spotter

The tornado began southwest of Hills and moved northeast, crossing Highway 218 through the northwest portions of town. The tornado destroyed several outbuildings, large trees, and trim/siding on houses. The greatest damage was seen in western portions of the town of Hills, where roofs were completely torn off, siding removed from several homes and a large outbuilding destroyed. The tornado then proceeded through a wooded area with several trees snapped. It then continued northeast, destroying siding and roofs on several homes on the extreme southeast side of Iowa City. The tornado continued northeast and crossed Herbert Hoover Highway before lifting. Johnson County EMA provided outstanding support to determine the final portion of this track.

JOHNSON COUNTY --- 1.2 SE OAKDALE [41.69, -91.60]

	03/31/23 15:59 CST		0	Hail (1.00 in)
	03/31/23 15:59 CST		0	Source: Public

A public report of hail increasing in size to 1 inch. Also reported that sheet metal and insulating were falling from the sky.

BENTON COUNTY --- 0.9 SW VAN HORNE [42.01, -92.09]

	03/31/23 16:00 CST		0	Hail (1.00 in)
	03/31/23 16:00 CST		0	Source: Trained Spotter

BUCHANAN COUNTY --- 2.3 S ROWLEY [42.35, -91.82], 1.0 SE ROWLEY [42.37, -91.81]

	03/31/23 16:03 CST		0	Tornado (EFU, L: 1.66 mi , W: 10 yd)
	03/31/23 16:05 CST		0	Source: NWS Storm Survey

A review of Sentinel Satellite and radar data confirmed a brief tornado path just east of Rowley. There was no observable damage to assign a rating. Beginning and end times estimated based on radar.

BENTON COUNTY --- 0.7 S BELLE PLAINE ARPT [41.91, -92.30]

	03/31/23 16:05 CST		0	Thunderstorm Wind (MG 61 kt)
	03/31/23 16:05 CST		0	Source: Emergency Manager

CEDAR COUNTY --- 0.9 NW BILLICK FLD ARPT [41.64, -91.36], 0.9 SE CEDAR VLY [41.72, -91.24]

	03/31/23 16:06 CST		0	Tornado (EF1, L: 8.30 mi , W: 10 yd)
	03/31/23 16:16 CST		0	Source: NWS Storm Survey

Most of the tornado path was identified during a post-event analysis of Sentinel satellite data. Near the end of the path, some damage to trees was found, resulting in the EF0 rating.

JOHNSON COUNTY --- 0.9 NW SOLON [41.81, -91.51], 4.5 NNE SOLON [41.86, -91.46]

	03/31/23 16:06 CST		0	Tornado (EF2, L: 4.19 mi , W: 75 yd)
	03/31/23 16:11 CST		0	Source: NWS Storm Survey

Another tornado developed just northwest of Solon and moved northeast, destroying and snapping several trees and a small portion of a shed roof. A farmstead north of Solon lost 2 large outbuildings and grain silos. Power poles were also snapped in a field. As the tornado neared the Johnson-Linn county line, many trees were snapped or uprooted, with a few rolling through the part of the adjacent field. A house sustained minor shingle damage and broken windows. The tornado crossed into Linn County about a quarter of a mile north of the intersection of 110th St. NE and Taft Ave. NE. The tornado was rated EF2 in Johnson County with maximum winds around 130 mph.

LINN COUNTY --- 4.7 SSW MT VERNON [41.86, -91.46], 0.3 ESE MT VERNON [41.92, -91.41]

	03/31/23 16:11 CST		0	Tornado (EF1, L: 4.78 mi , W: 75 yd)
	03/31/23 16:18 CST		0	Source: NWS Storm Survey

This tornado is a continuation of a tornado that began in Johnson County, just northwest of Solon. The tornado crossed into Linn County about a quarter mile north of the intersection of 110th St. NE and Taft Ave. NE. In Linn County, the tornado continued northeast and produced some tree, roof, and outbuilding damage before dissipating in the southern part of Mt. Vernon. The tornado was rated EF1 in Linn County, with maximum winds around 110 mph.

Storm Data and Unusual Weather Phenomena - March 2023

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
CEDAR COUNTY --- 1.2 SW MATHEWS ARPT [41.76, -91.17], 2.1 NW MASSILLON [41.94, -90.96]				
	03/31/23 16:14 CST		0	Tornado (EF2, L: 16.42 mi , W: 250 yd)
	03/31/23 16:38 CST		0	Source: NWS Storm Survey
A tornado developed just west of Tipton, and tracked northeast through the Clarence area before lifting just south of the Cedar-Jones County line. The tornado tore the roof off a house just west of Tipton and uprooted large trees . The tornado also snapped power poles and caused significant damage to outbuildings.				
JOHNSON COUNTY --- 2.2 ESE NORTH LIBERTY [41.74, -91.58]				
	03/31/23 16:15 CST		0	Hail (1.75 in)
	03/31/23 16:15 CST		0	Source: Public
CEDAR COUNTY --- 2.5 SE CEDAR VLY [41.71, -91.21], 0.9 SE MATHEWS ARPT [41.76, -91.14]				
	03/31/23 16:17 CST		0	Tornado (EF1, L: 5.20 mi , W: 100 yd)
	03/31/23 16:23 CST		0	Source: NWS Storm Survey
A second tornado occurred northeast of West Branch, and lifted near the Tipton Golf and Country Club. The tornado was rated EF1 with maximum winds around 110 mph. The tornado caused house and outbuilding damage southwest of Tipton .				
CEDAR COUNTY --- 3.7 SW LIME CITY [41.62, -91.14], 4.9 ENE BENNETT [41.77, -90.90]				
	03/31/23 16:18 CST		0	Tornado (EF2, L: 16.05 mi , W: 200 yd)
	03/31/23 16:36 CST	2	0	Source: NWS Storm Survey
A tornado touched down 3 miles north of Atalissa, Iowa in Cedar County, snapping power poles and large trees along its path. It caused significant damage to two homes southwest of Bennett, Iowa, and flipped over a semi along interstate 80. It also damaged several concrete block silos south of Bennett. The tornado continued to track to the northeast through a rural area, causing sporadic tree damage. The tornado entered extreme northwest Scott County about a third of a mile south of 220th St., then travelled around one mile before entering Clinton County about a half mile west of the intersection of 280th St. and 110th Ave. The tornado then dissipated about 2 miles south of Wheatland. The peak winds were estimated at 120 mph. The tornado was rated EF-2 in Cedar County, and EF-0 in Scott and Clinton Counties.				
DELAWARE COUNTY --- 3.6 SW MANCHESTER [42.44, -91.50], 0.4 NNE MANCHESTER [42.48, -91.45]				
	03/31/23 16:20 CST		0	Tornado (EF1, L: 4.10 mi , W: 50 yd)
	03/31/23 16:28 CST		0	Source: NWS Storm Survey
An EF1 tornado moved from 3 miles southwest of Manchester through the southeast part of town. This tornado damaged to structures and trees along its path, with estimated peak winds around 110 mph.				
LINN COUNTY --- 0.5 W LISBON [41.92, -91.39]				
	03/31/23 16:20 CST		0	Thunderstorm Wind (EG 56 kt)
	03/31/23 16:20 CST		0	Source: Trained Spotter
A trained spotter reported 6 inch diameter trees down at this location.				
LOUISA COUNTY --- 0.9 NW COLUMBUS JCT [41.28, -91.36]				
	03/31/23 16:28 CST		0	Hail (1.00 in)
	03/31/23 16:28 CST		0	Source: Trained Spotter
BENTON COUNTY --- VINTON [42.17, -92.03]				
	03/31/23 16:29 CST		0	Hail (1.00 in)
	03/31/23 16:29 CST		0	Source: Trained Spotter
BENTON COUNTY --- 0.7 S SHELLSBURG [42.09, -91.87]				
	03/31/23 16:30 CST		0	Thunderstorm Wind (MG 61 kt)
	03/31/23 16:40 CST		0	Source: Emergency Manager
DES MOINES COUNTY --- 1.5 NNW DANVILLE WILSON ARPT [40.87, -91.33]				
	03/31/23 16:30 CST		0	Thunderstorm Wind (EG 52 kt)
	03/31/23 16:30 CST		0	Source: Trained Spotter
A trained spotter reported a semi tipped over as a line of thunderstorms moved into the area. The spotter measured winds in excess of 60 MPH.				

Storm Data and Unusual Weather Phenomena - March 2023

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
BENTON COUNTY --- NORWAY [41.90, -91.92]				
	03/31/23 16:32 CST		0	Thunderstorm Wind (EG 61 kt)
	03/31/23 16:32 CST		0	Source: Trained Spotter
A trained spotter estimated thunderstorm wind speeds up to 61 knots.				
DELAWARE COUNTY --- 1.2 WSW ONEIDA [42.52, -91.37], 1.3 NNE TWIN BRIDGES PARK [42.65, -91.27]				
	03/31/23 16:32 CST		0	Tornado (EF1, L: 9.89 mi , W: 50 yd)
	03/31/23 16:45 CST		0	Source: NWS Storm Survey
This EF1 tornado developed southwest of Oneida, IA in Delaware County and moved northeast into Clayton County, IA, around 16:45 LST. This tornado damaged farm outbuildings and trees along its path, determined through ground surveys and Sentinel satellite data, with estimated peak winds around 110 mph. Scour marks on farms were also noted from Sentinel Satellite, as it crossed into Clayton County, about 3 miles west of Colesburg (see NWS LaCrosse StormData for details of tornado in Clayton County).				
DES MOINES COUNTY --- 0.7 N YARMOUTH [41.03, -91.32]				
	03/31/23 16:34 CST		0	Thunderstorm Wind (MG 53 kt)
	03/31/23 16:34 CST		0	Source: Fire Department/Rescue
MUSCATINE COUNTY --- MUSCATINE MUNI ARPT [41.37, -91.15]				
	03/31/23 16:35 CST		0	Thunderstorm Wind (MG 55 kt)
	03/31/23 16:35 CST		0	Source: AWOS
A measured gust by the AWOS at the Muscatine Municipal Airport.				
LINN COUNTY --- (CID)CEDAR RAPIDS AR [41.88, -91.72]				
	03/31/23 16:36 CST		0	Thunderstorm Wind (MG 60 kt)
	03/31/23 16:36 CST		0	Source: ASOS
A 60 knot gust measured by the ASOS at the Cedar Rapids Airport.				
SCOTT COUNTY --- 3.4 NNW NEW LIBERTY [41.77, -90.90], 3.5 N NEW LIBERTY [41.77, -90.89]				
	03/31/23 16:36 CST		0	Tornado (EF0, L: 0.58 mi , W: 200 yd)
	03/31/23 16:37 CST		0	Source: NWS Storm Survey
A tornado touched down 3 miles north of Atalissa, Iowa in Cedar County, snapping power poles and large trees along its path. It caused significant damage to two homes southwest of Bennett, Iowa, and flipped over a semi along interstate 80. It also damaged several concrete block silos south of Bennett. The tornado continued to track to the northeast through a rural area, causing sporadic tree damage. The tornado entered extreme northwest Scott County about a third of a mile south of 220th St., then travelled around one mile before entering Clinton County about a half mile west of the intersection of 280th St. and 110th Ave. The tornado then dissipated about 2 miles south of Wheatland. The peak winds were estimated at 120 mph. The tornado was rated EF-2 in Cedar County, and EF-0 in Scott and Clinton Counties.				
CLINTON COUNTY --- 3.0 W BIG ROCK [41.77, -90.89], 1.9 NNW BIG ROCK [41.80, -90.84]				
	03/31/23 16:37 CST		0	Tornado (EF0, L: 2.93 mi , W: 200 yd)
	03/31/23 16:40 CST		0	Source: NWS Storm Survey
A tornado touched down 3 miles north of Atalissa, Iowa in Cedar County, snapping power poles and large trees along its path. It caused significant damage to two homes southwest of Bennett, Iowa, and flipped over a semi along interstate 80. It also damaged several concrete block silos south of Bennett. The tornado continued to track to the northeast through a rural area, causing sporadic tree damage. The tornado entered extreme northwest Scott County about a third of a mile south of 220th St., then travelled around one mile before entering Clinton County about a half mile west of the intersection of 280th St. and 110th Ave. The tornado then dissipated about 2 miles south of Wheatland. The peak winds were estimated at 120 mph. The tornado was rated EF-2 in Cedar County, and EF-0 in Scott and Clinton Counties.				
DES MOINES COUNTY --- 0.9 SE BEAVERDALE [40.84, -91.21]				
	03/31/23 16:38 CST		0	Thunderstorm Wind (EG 56 kt)
	03/31/23 16:38 CST		0	Source: Trained Spotter
A trained spotter reported a semi blown over on U.S. Highway 61.				
LINN COUNTY --- 1.4 N HIAWATHA [42.05, -91.68]				

Storm Data and Unusual Weather Phenomena - March 2023

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	03/31/23 16:40 CST		0	Thunderstorm Wind (EG 61 kt)
	03/31/23 16:50 CST		0	Source: Trained Spotter

Pea sized hail also fell with the strong winds.

DES MOINES COUNTY --- 1.1 W MEDIAPOLIS [41.00, -91.17], 0.5 NNW MEDIAPOLIS [41.01, -91.15]				
	03/31/23 16:41 CST		0	Tornado (EF2, L: 0.95 mi , W: 150 yd)
	03/31/23 16:43 CST		0	Source: NWS Storm Survey

A brief tornado tracked east across the southern portions of the town of Mediapolis , destroying siding and shingles on a few homes and businesses. Numerous large tree limbs fell on mobile homes and frame houses, damaging roofs and siding. In the middle of town, at it's peak strength, the tornado widened to 150 yards and produced EF2 damage at a home, where it removed the entire roof, and snapped a few large trees off just above the ground . The tornado dissipated quickly on the east side of town. The peak winds are estimated to be 120 mph with this tornado.

JONES COUNTY --- 1.2 SSW WYOMING [42.05, -91.01], 0.5 E WYOMING [42.07, -90.99]				
	03/31/23 16:41 CST		0	Tornado (EF1, L: 1.37 mi , W: 50 yd)
	03/31/23 16:43 CST		0	Source: NWS Storm Survey

An EF-1 tornado with peak winds estimated around 100 MPH touched down south of Wyoming and moved through the east side of town , damaging mainly trees with at least two trees snapped off. Twisted metal was lofted into the fire department parking lot .

CEDAR COUNTY --- 0.9 NE LOWDEN [41.86, -90.92]				
	03/31/23 16:42 CST		0	Hail (0.75 in)
	03/31/23 16:42 CST		0	Source: COOP Observer

The COOP Observer also reported gusty winds.

DES MOINES COUNTY --- (BRL)BURLINGTON MUNI [40.78, -91.13]				
	03/31/23 16:42 CST		0	Thunderstorm Wind (MG 51 kt)
	03/31/23 16:42 CST		0	Source: ASOS

LOUISA COUNTY --- 2.1 SSE WAPELLO [41.15, -91.19]				
	03/31/23 16:43 CST		0	Thunderstorm Wind (EG 103 kt)
	03/31/23 16:43 CST		0	Source: NWS Storm Survey

A power company repair main confirmed that thunderstorm snapped off two power poles . No other damage was found. Time of the event was estimated using radar.

CEDAR COUNTY --- 0.9 NE LOWDEN [41.86, -90.92]				
	03/31/23 16:45 CST		0	Hail (1.50 in)
	03/31/23 16:45 CST		0	Source: COOP Observer

CLINTON COUNTY --- 1.2 SE GRAND MOUND [41.81, -90.65], 2.1 NNW GOOSE LAKE [42.00, -90.41]				
	03/31/23 16:50 CST		0	Tornado (EF2, L: 18.02 mi , W: 350 yd)
	03/31/23 17:10 CST	1	0	Source: NWS Storm Survey

A strong tornado developed over the southeast part of Grand Mound , Iowa, and tracked through Charlotte, Iowa. A continuous damage track was noted, with several damaged houses, especially in Charlotte. The highest damage rating was located northeast of Grand Mound, where a whole house was shifted off it's foundation, and an entire house completely collapsed. Many areas noted tree damage and snapped power poles along the track of the tornado as well. Damage was also noted in Charlotte, associated with partial to complete destruction of barns and outbuildings. 3 people where trapped in the house that collapsed in Grand Mound, and one was transported to the hospital with minor injuries. The peak winds were estimated at 120 mph.

JACKSON COUNTY --- 2.5 NW HURSTVILLE [42.12, -90.72], 1.7 SW FULTON [42.13, -90.70]				
	03/31/23 16:58 CST		0	Tornado (EF1, L: 1.24 mi , W: 50 yd)
	03/31/23 17:01 CST		0	Source: Trained Spotter

A trained spotter reported damage to outbuildings at two farmsteads . Residents in the path of the tornado reported hearing a roar. There was a rotational velocity couplet and a tornado debris signature (TDS) on radar as well. Wind speeds and path were estimated based on reports from spotters. Peak winds estimated at 100 mph.

JACKSON COUNTY --- 0.5 E MAQUOKETA [42.07, -90.67]				
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Storm Data and Unusual Weather Phenomena - March 2023

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	03/31/23 17:00 CST		0	Hail (0.88 in)
	03/31/23 17:00 CST		0	Source: Trained Spotter
A trained spotter reported dime to nickel sized hail. The time of event was estimated using radar.				
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DES MOINES COUNTY --- 0.9 NE BURLINGTON ARPT [40.79, -91.11]				
	03/31/23 17:01 CST		0	Thunderstorm Wind (EG 56 kt)
	03/31/23 17:01 CST		0	Source: Trained Spotter
A trained spotter estimated thunderstorm wind gusts of 60 to 70 MPH with no damage reported.				
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JACKSON COUNTY --- 2.6 S COTTONVILLE [42.19, -90.61], 2.6 S COTTONVILLE [42.19, -90.60]				
	03/31/23 17:09 CST		0	Tornado (EF0, L: 0.17 mi , W: 15 yd)
	03/31/23 17:10 CST		0	Source: NWS Storm Survey
A shed roof and walls were destroyed and blown in a narrow path to 184th street, where a narrow path of tree damage occurred. The peak winds were estimated around 75 mph.				
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DUBUQUE COUNTY --- 2.1 NNW DUBUQUE [42.53, -90.68]				
	03/31/23 17:11 CST		0	Thunderstorm Wind (EG 61 kt)
	03/31/23 17:11 CST		0	Source: Trained Spotter
A trained spotter reported power lines and trees down at 32nd Street and Peru Road.				
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SCOTT COUNTY --- 0.9 NW PANORAMA PARK [41.56, -90.48]				
	03/31/23 17:13 CST		0	Hail (1.00 in)
	03/31/23 17:13 CST		0	Source: Public
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SCOTT COUNTY --- 2.1 NNE BETTENDORF [41.56, -90.51]				
	03/31/23 17:15 CST		0	Hail (1.00 in)
	03/31/23 17:15 CST		0	Source: Trained Spotter
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JACKSON COUNTY --- 3.5 WSW BELLEVUE [42.24, -90.43], 2.7 WSW BELLEVUE [42.25, -90.42]				
	03/31/23 17:16 CST		0	Tornado (EF1, L: 0.85 mi , W: 100 yd)
	03/31/23 17:17 CST	3	0	Source: NWS Storm Survey
A tornado touched down just south of Bellevue, and moved northeast over the Mississippi River before dissipating. This tornado impacted an RV park and some cabins located nearby. Some structural damage was noted, with some RVs that were flipped and damaged. Several trees within the area were also impacted, with some uprooted. Three injuries were noted with this tornado in the vicinity of the RV park. This tornado continued into Jo Daviess County, Illinois, but likely dissipated over the river as no damage was observed in a wooded area adjacent to the river. Peak winds were estimated around 105 mph.				
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DUBUQUE COUNTY --- 2.5 W ASBURY [42.52, -90.80]				
	03/31/23 17:18 CST		0	Thunderstorm Wind (MG 63 kt)
	03/31/23 17:18 CST		0	Source: Trained Spotter
A trained spotter reported a 6 inch diameter tree down at their location. There were also other large tree branches down. Reported a 63 mile per hour gust from their personal weather station.				
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SCOTT COUNTY --- 0.7 S WEST LAKE PARK [41.51, -90.68]				
	03/31/23 17:23 CST		0	Hail (0.75 in)
	03/31/23 17:23 CST		0	Source: Trained Spotter
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DUBUQUE COUNTY --- (DBQ)DUBUQUE MUNI AR [42.40, -90.72]				
	03/31/23 17:30 CST		0	Thunderstorm Wind (MG 59 kt)
	03/31/23 17:30 CST		0	Source: ASOS
A measured gust at the ASOS at the Dubuque Regional Airport.				
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DUBUQUE COUNTY --- 0.7 N DUBUQUE [42.51, -90.67]				
	03/31/23 17:30 CST		0	Thunderstorm Wind (EG 61 kt)
	03/31/23 17:30 CST		0	Source: Trained Spotter

Storm Data and Unusual Weather Phenomena - March 2023

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
A trained spotter reported that large trees were blown down.				
SCOTT COUNTY --- 0.9 NE DAVENPORT [41.54, -90.57]				
	03/31/23 17:48 CST		0	Thunderstorm Wind (EG 70 kt)
	03/31/23 17:48 CST		0	Source: Trained Spotter
A trained spotter reported an estimated 80 MPH wind gust at 12th Street and Main Street in Davenport. Branches are down, power poles were bent at a 30 degree angle and a storm window was blown into a bedroom.				
DUBUQUE COUNTY --- 1.5 NNE (DBQ)DUBUQUE MUNI AR [42.42, -90.71]				
	03/31/23 18:19 CST		0	Thunderstorm Wind (EG 56 kt)
	03/31/23 18:19 CST		0	Source: Trained Spotter
A trained spotter reported that large tree branches were blown down at Asbury and JFK, blocking the entire lane.				
IOWA COUNTY --- 3.0 SSW HOMESTEAD [41.73, -91.89]				
	03/31/23 18:22 CST		0	Thunderstorm Wind (EG 70 kt)
	03/31/23 18:22 CST		0	Source: Trained Spotter
A trained spotter report that they lost part of a metal barn roof with a cattle shedd destroyed.				
DUBUQUE COUNTY --- 1.5 NNE (DBQ)DUBUQUE MUNI AR [42.42, -90.71]				
	03/31/23 18:25 CST		0	Thunderstorm Wind (EG 65 kt)
	03/31/23 18:40 CST		0	Source: Trained Spotter
Eight inch diameter tree limbs were blown down by strong thunderstorm winds.				
<p>A very strong system developed on the morning of March 31st and tracked across the state of Iowa. This system pulled unseasonably warm and moist air into the Midwest, which combined with a very favorable wind profile to create a volatile environment for severe thunderstorms. Discrete supercell thunderstorms occurred initially, but quickly transitioned into a QLCS mode. This system produced a historic tornado outbreak for the area, with a record 29 tornadoes on the day, including 13 rated EF-2, 1 rated EF-3, and 1 rated EF-4. This was the first EF-4 tornado in the NWS Quad Cities service area since 1995. 11 injuries were reported, with no known fatalities. In addition to the numerous tornadoes, there were many large hail and damaging wind reports. Maximum straight line thunderstorm winds were estimated at 80 to 90 mph.</p>				
MISSOURI, Northeast				
CLARK COUNTY --- 1.5 SSE ANTIOCH [40.31, -91.69]				
	03/31/23 12:43 CST		0	Thunderstorm Wind (EG 61 kt)
	03/31/23 12:43 CST		0	Source: Law Enforcement
Law enforcement reported a tree blown down over Highway 81.				
CLARK COUNTY --- 0.7 N KAHOKA [40.43, -91.72]				
	03/31/23 16:20 CST		0	Thunderstorm Wind (EG 61 kt)
	03/31/23 16:20 CST		0	Source: Trained Spotter
A trained spotted reported damaging winds with light damage to buildings , a few signs blown down, and three to eight inch diameter tree branches blown down. They estimated winds of 70 to 80.				
<p>A very strong system developed on the morning of March 31st and tracked across the state of Iowa. This system pulled unseasonably warm and moist air into the Midwest, which combined with a very favorable wind profile to create a volatile environment for severe thunderstorms. Discrete supercell thunderstorms occurred initially, but quickly transitioned into a QLCS mode. This system produced a historic tornado outbreak for the area, with a record 29 tornadoes on the day, including 13 rated EF-2, 1 rated EF-3, and 1 rated EF-4. This was the first EF-4 tornado in the NWS Quad Cities service area since 1995. 11 injuries were reported, with no known fatalities. In addition to the numerous tornadoes, there were many large hail and damaging wind reports. Maximum straight line thunderstorm winds were estimated at 80 to 90 mph.</p>				