

Storm Data and Unusual Weather Phenomena - May 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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IOWA, Southwest

FREMONT COUNTY --- 6.2 SSW PAYNE [40.58, -95.78], 4.6 SW PERCIVAL [40.70, -95.85], 4.9 W PERCIVAL [40.75, -95.89], 3.2 WSW MC PAUL [40.80, -95.85], 3.8 NW MC PAUL [40.86, -95.85], 2.2 WNW BARTLETT [40.89, -95.82], 4.5 S PAYNE [40.61, -95.74]

	05/01/11 00:00 CST	5K	Flood (due to Heavy Rain / Snow Melt)
	05/31/11 23:59 CST	0	Source: Official NWS Observations

This flooding carried over from April when several episodes of heavy rain combined with snow melt and heavy rain upstream caused a prolonged period of high flows along the Missouri River. At Nebraska City the river first climbed over its 18 foot flood stage in mid April and had a several week crest around 19.5 feet from late April into mid May then steadily rose into June ending May around 23 feet. Although the flooding mainly affected marshes and farmland along the river, a few roads and recreational areas were also flooded. The flooding got progressively worse in June.

MILLS COUNTY --- 5.6 NNW FOLSOM [41.17, -95.87], 7.3 W TABOR [40.89, -95.81], 8.5 SSW PACIFIC JCT [40.90, -95.84], 4.0 WNW FOLSOM [41.12, -95.89], 6.7 NW FOLSOM [41.18, -95.89]

	05/01/11 00:00 CST	5K	Flood (due to Heavy Rain / Snow Melt)
	05/31/11 23:59 CST	0	Source: Official NWS Observations

This flooding carried over from April when several episodes of heavy rain combined with snow melt and heavy rain upstream caused a prolonged period of high flows along the Missouri River. At Plattsmouth the river fluctuated a little above and below its 26 foot flood stage until around May 21st then started steadily rising ending the month a little over 30 feet. Although the flooding mainly affected marshes and farmland along the river, a few roads and recreational areas were also flooded.

This flooding carried over from April when several periods of heavy rain in eastern Nebraska and southwest Iowa combined with snow melt and rain upstream to produce a prolonged period of high water along the Missouri River, mainly downstream of Plattsmouth. Although most of the flooding was confined to marshy areas and farmland along the river, a few roads and recreational areas were also flooded. However, the flooding got much worse in June.

MONTGOMERY COUNTY --- 1.0 E STANTON [40.98, -95.10]

	05/11/11 11:20 CST	0	Heavy Rain
	05/11/11 15:20 CST	0	Source: COOP Observer

The cooperative observer in Stanton reported that 3.20 inches of rain fell in a 4 hour period. The heavy rain produced flash flooding along the Tarkio River near town and also produced flooding along the Nodaway River near there as well a little later.

MONTGOMERY COUNTY --- 1.2 NNE STANTON [41.00, -95.11], 1.5 NNE STANTON [41.00, -95.11], 1.8 NNE STANTON [41.00, -95.10], 1.5 NE STANTON [41.00, -95.10]

	05/11/11 15:49 CST	1K	Flash Flood (due to Heavy Rain)
	05/11/11 16:49 CST	0	Source: County Official

Persistent heavy rain producing thunderstorms caused flash flooding along the Tarkio River near Stanton. The flooding crossed Nature Avenue just north of Highway 34. A cooperative observer in the area reported that a little over 3 inches of rain fell in a 4 hour period during this time.

MONTGOMERY COUNTY --- 24.3 S VILLISCA [40.58, -95.03], 20.5 S VILLISCA [40.63, -95.03], 20.5 S VILLISCA [40.63, -95.01], 24.2 S VILLISCA [40.58, -95.01]

	05/11/11 17:30 CST	0	Flood (due to Heavy Rain)
	05/11/11 21:45 CST	0	Source: Official NWS Observations

Rainfall of at least 2 to 3 inches caused minor flooding of the Nodaway River in far southwest Iowa. The river near Clarinda crested at a little over 21.5 feet during the evening of 5/11, flood stage is 19 feet. The flooding affected mainly agricultural lowlands and no damage was reported.

Temperatures in the 80s and dew point temperatures in the mid/upper 60s from southeast Nebraska and southwest Iowa into eastern Kansas created moderately unstable conditions over the area as a large upper level low pressure system organized over Colorado. Due to the circulation of the upper system, the storms lifted north across eastern Nebraska and southwest Iowa. With a boundary bisecting east central Nebraska and western Iowa a few tornadoes spun-up just west and east of the region. However, in far southwest Iowa the thunderstorms produced mainly just heavy rain as they repeatedly developed and tracked across the same area.

MONONA COUNTY --- 5.0 SW WHITING [42.08, -96.22]

	05/12/11 16:25 CST	0	Funnel Cloud
	05/12/11 16:25 CST	0	Source: Trained Spotter

A supercell thunderstorm that produced very large hail in the area also produced a brief funnel cloud that dropped from a rotating wall cloud.

MONONA COUNTY --- 2.6 WNW WHITING [42.14, -96.20]

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/12/11 16:33 CST		0	Hail (0.75 in)
	05/12/11 16:33 CST		0	Source: Law Enforcement
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MONONA COUNTY --- 1.0 W WHITING [42.13, -96.17], 0.4 SSE WHITING [42.13, -96.15]				
	05/12/11 16:52 CST		0	Hail (2.75 in)
	05/12/11 16:58 CST		0	Source: Trained Spotter
Hail around baseball-size fell in the Whiting area which caused some vehicle damage.				
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MONONA COUNTY --- 1.4 N TICONIC [42.19, -95.95]				
	05/12/11 17:17 CST		0	Hail (2.75 in)
	05/12/11 17:17 CST		0	Source: Emergency Manager
Hail around baseball-size fell near Rodney, from the same storm that produced similar size hail in the Whiting area. The hail caused some vehicle damage in the area.				
Severe thunderstorms, some of which produced very large hail, formed along a cool front that pushed southeast across the region. Temperatures and dew points ahead of the front were in the mid to upper 70s and lower 60s respectively, while temperatures were in the lower 60s behind the cold front.				
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FREMONT COUNTY --- 0.5 E RANDOLPH [40.87, -95.56]				
	05/21/11 17:55 CST		0	Hail (1.00 in)
	05/21/11 17:55 CST		0	Source: Trained Spotter
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MILLS COUNTY --- 2.3 SSE BALFOUR [40.99, -95.66]				
	05/21/11 18:16 CST		0	Hail (1.50 in)
	05/21/11 18:16 CST		0	Source: Emergency Manager
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HARRISON COUNTY --- 0.9 SE LOGAN [41.64, -95.79]				
	05/21/11 19:18 CST		0	Hail (1.75 in)
	05/21/11 19:18 CST		0	Source: Law Enforcement
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SHELBY COUNTY --- 0.7 N HARLAN [41.66, -95.33]				
	05/21/11 19:20 CST		0	Hail (0.75 in)
	05/21/11 19:20 CST		0	Source: Trained Spotter
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SHELBY COUNTY --- 3.5 S DEFIANCE [41.78, -95.34]				
	05/21/11 19:27 CST		0	Hail (1.00 in)
	05/21/11 19:27 CST		0	Source: Trained Spotter
Along Highway 59 south of town.				
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POTTAWATTAMIE COUNTY --- 2.1 NE LAKE MANAWA [41.24, -95.82]				
	05/21/11 19:40 CST		0	Hail (1.25 in)
	05/21/11 19:40 CST		0	Source: Emergency Manager
Near a department store in east Council Bluffs.				
Scattered severe thunderstorms developed over eastern Nebraska during the afternoon of May 21 and tracked and developed into western Iowa during the early to mid evening hours. The storms developed as cold air aloft spread into the region on the south side of a large upper low that was over the Dakotas. Initially the storms developed in the mid afternoon on a dry-line that was southeast of Columbus and Wayne, Nebraska. The storms became more widespread from late afternoon into early evening as conditions became a little more unstable and a disturbance rotated around the low. Most of the storms were multi-cellular in nature.				
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HARRISON COUNTY --- 7.5 WSW MISSOURI VLY ARPT [41.51, -96.02], 8.3 SW MODALE [41.53, -96.13], 4.7 NW RIVER SIOUX [41.84, -96.12], 3.3 N RIVER SIOUX [41.85, -96.06]				
	05/26/11 06:00 CST		5K	Flood (due to Heavy Rain / Snow Melt)
	05/31/11 23:59 CST		0	Source: Official NWS Observations
High releases from upstream reservoirs brought steadily increasing flows along the Missouri River. The river near Blair climbed above its 26.5 foot flood stage during the morning of May 26th, and then continued rising into June. The flooding in Harrison county closed at least several parks and recreation areas and began flooding some roads near the river. The flooding got worse in June.				

Storm Data and Unusual Weather Phenomena - May 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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POTTAWATTAMIE COUNTY --- 3.2 W ISLAND PARK [41.16, -95.88], 5.1 WSW LAKE MANAWA [41.19, -95.94], 1.3 NE COUNCIL BLUFFS ARPT [41.28, -95.92], 3.1 WSW ASCOT [41.34, -95.96], 9.3 WNW LOVELAND [41.55, -96.07], 3.0 NW LOVELAND [41.53, -95.94]	05/27/11 20:00 CST		10K	Flood (due to Heavy Rain / Snow Melt)
	05/31/11 23:59 CST		0	Source: Official NWS Observations

High releases from upstream reservoirs brought steadily increasing flows along the Missouri River. The river near Omaha climbed to around its 29 foot flood stage late on May 27th, and then continued rising into June while the river near Blair began flooding a few days earlier. The flooding in Pottawattamie county closed at least several parks and recreation areas and began flooding the parking lots of 2 riverboat casinos. Some roads along the river also flooded. The flooding got worse in June.

High releases from Gavins Point Dam caused the Missouri River to begin flooding upstream of the Platte River beginning in mid to late May. The flooding continued into June.

HARRISON COUNTY --- 2.0 NW LITTLE SIOUX [41.82, -96.06]	05/30/11 22:49 CST		0	Thunderstorm Wind (EG 50 kt)
	05/30/11 22:49 CST		0	Source: COOP Observer

Several tree limbs around 3 or 4 inches in diameter were downed by thunderstorm winds that were estimated at close to 60 mph.

Thunderstorms developed into a squall line and raced across eastern Nebraska and into western Iowa during the late evening of May 30. The storms were along a cold front that moved across the area during the evening and produced local reports of damaging winds.

NEBRASKA, East

CASS COUNTY --- 1.9 N PLATTSMOUTH [41.05, -95.91], 3.6 SE UNION [40.79, -95.85], 5.2 ESE UNION [40.79, -95.81], 6.0 E MURRAY [40.91, -95.80], 3.1 NE PLATTSMOUTH [41.05, -95.86]	05/01/11 00:00 CST		10K	Flood (due to Heavy Rain / Snow Melt)
	05/31/11 23:59 CST		0	Source: Official NWS Observations

High releases from upstream reservoirs and periods of rain brought a prolonged flooding episode along the Missouri River. The river at Plattsmouth started the month a little above its 26 foot flood stage, fell briefly below it from the 5th through the 11th, then steadily rose to a little over 30 feet by the end of the month. The flooding carried over into June. Although the high water mainly flooded marshy areas and farmland along the river, by the end of the month a few roads, recreational areas and cabins/houses were either flooded or threatened by flood waters.

NEMAHA COUNTY --- 2.6 N PERU [40.52, -95.72], 2.3 SSW BROWNVILLE [40.37, -95.66], 1.1 SSW NEMAHA [40.32, -95.68], 5.9 SE NEMAHA [40.27, -95.59], 7.6 ESE NEMAHA [40.27, -95.55]	05/01/11 00:00 CST		5K	Flood (due to Heavy Rain / Snow Melt)
	05/31/11 23:59 CST		0	Source: Official NWS Observations

This flooding carried over from April when several episodes of heavy rain combined with high releases from upstream reservoirs and caused a prolonged flood event along the Missouri River. The river at Brownville, which climbed above its 33 foot flood stage in mid April, dropped toward its flood stage on May 10th but then rose in stages after that and ended the month around 39 feet. The flooding carried over into June. Although the high water mainly flooded marshy areas and farmland along the river, it also started flooding a few roads and recreational areas by the river by the middle and end of May.

OTOE COUNTY --- 8.2 N NEBRASKA CITY ARPT [40.79, -95.87], 4.0 NNW NEBRASKA CITY ARPT [40.72, -95.90], 1.2 NE NEBRASKA CITY [40.66, -95.83], 3.7 ESE NEBRASKA CITY [40.62, -95.79], 6.1 SE PAUL [40.52, -95.79], 9.4 ESE PAUL [40.54, -95.70]	05/01/11 00:00 CST		5K	Flood (due to Heavy Rain / Snow Melt)
	05/31/11 23:59 CST		0	Source: Official NWS Observations

This flooding carried over from April when several episodes of heavy rain combined with high releases from upstream reservoirs due to snow melt and rain caused a prolonged flood along the Missouri River. The river at Nebraska City, which climbed above its 18 foot flood stage in mid April, dipped slightly toward flood stage by the 10th but then steadily rose in stages through the rest of May reaching around 23 feet by the end of the month. The flooding carried into June. In May the flooding affected farmland and marshy areas along the river, and also flooded a few roads and recreational areas by the river.

RICHARDSON COUNTY --- 2.5 N BARADA [40.26, -95.58], 3.2 S RULO [40.00, -95.42], 8.2 ESE RULO [40.00, -95.29], 8.2 ESE BARADA [40.17, -95.44], 6.1 ENE BARADA [40.27, -95.48]	05/01/11 00:00 CST		10K	Flood (due to Heavy Rain / Snow Melt)
	05/31/11 23:59 CST		0	Source: Official NWS Observations

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This flooding carried over from April when several episodes of heavy rain combined with high releases from upstream reservoirs and caused a prolonged flood event along the Missouri River. The river at Rulo, which climbed above its 17 foot flood stage in mid April, briefly fell to around flood stage on the 10th then steadily rose ending the month a little under 23 feet. The flooding carried over into June. The high water initially flooded marshy areas and farmland along the river, but then it began flooding a few roads, cabins and recreation areas by the river.

Several episodes of heavy rain in eastern Nebraska and southwest Iowa combined with high flows upstream from snow melt and rain brought a prolonged period of flooding along the Missouri River, initially generally downstream of Plattsmouth, but by the end of the month it affected areas upstream as well. The flooding mainly affected marshy areas and farmland along the river, but a few roads and recreation areas were also flooded and the flooding got progressively worse in June.

CUMING COUNTY --- 10.0 WNW BANCROFT [42.09, -96.74]

05/11/11 00:07 CST			0	Hail (1.00 in)
05/11/11 00:07 CST			0	Source: County Official

Scattered thunderstorms developed in eastern Nebraska during the early morning hours of May 11th as a low level jet brought moisture and instability north into the region. Besides scattered 1 to 2 inch rain amounts, the storms produced a few hail reports. Most of the hail was small, pea-size or a bit larger, but at least one event of quarter-size was received.

GAGE COUNTY --- 0.9 SW ADAMS [40.46, -96.51]

05/11/11 12:21 CST			0	Hail (1.00 in)
05/11/11 12:21 CST			0	Source: Trained Spotter

A spotter reported pea to quarter-size hail in the Adams area.

GAGE COUNTY --- 0.7 S BLUE SPGS [40.12, -96.67]

05/11/11 12:32 CST			0	Thunderstorm Wind (EG 52 kt)
05/11/11 12:32 CST			0	Source: Trained Spotter

A spotter reported thunderstorm wind gusts broke tree branches in the Wymore area . The winds were estimated at 60 mph and were accompanied by 1 inch hail.

GAGE COUNTY --- WYMORE [40.13, -96.67]

05/11/11 12:32 CST			0	Hail (1.00 in)
05/11/11 12:32 CST			0	Source: Trained Spotter

The hail was accompanied by thunderstorm wind gusts estimated at 60 mph.

GAGE COUNTY --- 0.7 N FILLEY [40.29, -96.53]

05/11/11 12:55 CST			0	Thunderstorm Wind (EG 52 kt)
05/11/11 12:55 CST			0	Source: Trained Spotter

A spotter estimated thunderstorm winds reached around 60 mph.

JEFFERSON COUNTY --- 2.0 NE PLYMOUTH [40.32, -96.95]

05/11/11 12:55 CST			0	Thunderstorm Wind (MG 69 kt)
05/11/11 12:55 CST			0	Source: Public

Home weather equipment measured a thunderstorm wind gust of 78 mph a few miles northeast of Plymouth. The winds knocked down a few tree branches in the area.

SALINE COUNTY --- 0.5 W WILBER [40.48, -96.96]

05/11/11 13:04 CST			0	Thunderstorm Wind (EG 61 kt)
05/11/11 13:04 CST			0	Source: Trained Spotter

A spotter in the Wilber area estimated that thunderstorm wind gusts approached 70 mph. The winds were accompanied by nickel-size hail.

SALINE COUNTY --- 0.5 W WILBER [40.48, -96.96]

05/11/11 13:10 CST			0	Hail (0.88 in)
05/11/11 13:13 CST			0	Source: Emergency Manager

The hail lasted several minutes and just followed thunderstorm wind gusts that were estimated at around 70 mph.

GAGE COUNTY --- 0.9 SW ADAMS [40.46, -96.51]

Storm Data and Unusual Weather Phenomena - May 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/11/11 13:14 CST		0	Hail (1.00 in)
	05/11/11 13:14 CST		0	Source: Trained Spotter

A second area of severe thunderstorms produced pea to quarter-size hail in the Adams area within an hour.

GAGE COUNTY --- 0.9 SW ADAMS [40.46, -96.51]

	05/11/11 13:14 CST		0	Thunderstorm Wind (EG 52 kt)
	05/11/11 13:14 CST		0	Source: Trained Spotter

Thunderstorm wind gusts estimated at 60 mph downed a few 2 to 3 inch in diameter tree limbs in the area. The winds were accompanied by hail up to quarter-size.

JOHNSON COUNTY --- 0.9 SW STERLING [40.46, -96.38]

	05/11/11 13:14 CST		0	Thunderstorm Wind (EG 52 kt)
	05/11/11 13:14 CST		0	Source: Trained Spotter

Thunderstorm wind gusts were estimated at close to 60 mph. The winds were accompanied by hail that was a little under 3/4 inch in diameter.

SARPY COUNTY --- SPRINGFIELD [41.08, -96.13]

	05/11/11 14:11 CST		0	Hail (1.00 in)
	05/11/11 14:11 CST		0	Source: Storm Chaser

The hail was accompanied by thunderstorm wind gusts estimated at 60 mph.

SARPY COUNTY --- SPRINGFIELD [41.08, -96.13]

	05/11/11 14:11 CST		0	Thunderstorm Wind (EG 52 kt)
	05/11/11 14:11 CST		0	Source: Storm Chaser

A storm chaser estimated thunderstorm wind gusts of around 60 mph. The winds were accompanied by hail up to 1 inch in diameter.

BUTLER COUNTY --- DAVID CITY [41.25, -97.13]

	05/11/11 14:20 CST		0	Thunderstorm Wind (EG 55 kt)
	05/11/11 14:20 CST		0	Source: Trained Spotter

Thunderstorm wind gusts estimated at over 60 mph downed a tree on 10th Street that just missed a mailman's Jeep.

PLATTE COUNTY --- 1.2 ESE MONROE [41.47, -97.60]

	05/11/11 14:33 CST		0	Thunderstorm Wind (EG 55 kt)
	05/11/11 14:33 CST		0	Source: County Official

Thunderstorm wind gusts estimated at over 60 mph caused tree damage in the Monroe area.

PLATTE COUNTY --- 1.5 SSE (OLU)COLUMBUS ARPT [41.43, -97.32]

	05/11/11 14:40 CST		0	Thunderstorm Wind (EG 56 kt)
	05/11/11 14:40 CST		0	Source: Trained Spotter

A spotter estimated thunderstorm wind gusts approached 65 mph on the east side of Columbus.

PLATTE COUNTY --- 2.3 SSW CORNLEA [41.65, -97.60]

	05/11/11 14:42 CST		0	Thunderstorm Wind (EG 60 kt)
	05/11/11 14:42 CST		0	Source: County Official

Thunderstorm wind gusts that were estimated at around 70 mph destroyed a pole barn and severe damaged other outbuildings and grain bins north of Monroe.

DODGE COUNTY --- 3.4 WNW AMES [41.47, -96.69]

	05/11/11 14:44 CST		0	Thunderstorm Wind (EG 61 kt)
	05/11/11 14:44 CST		0	Source: Trained Spotter

A spotter estimated thunderstorm wind gusts reached 70 mph east of North Bend. The winds were accompanied by 1 inch hail.

DODGE COUNTY --- 5.0 E NORTH BEND [41.47, -96.68]

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	05/11/11 14:45 CST		0	Hail (1.00 in)
	05/11/11 14:45 CST		0	Source: Trained Spotter
The hail was accompanied by thunderstorm wind gusts estimated at 70 mph.				
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PLATTE COUNTY --- 4.0 W TARNOV [41.62, -97.60], TARNOV [41.62, -97.52]				
	05/11/11 14:45 CST		0	Thunderstorm Wind (EG 65 kt)
	05/11/11 14:47 CST		0	Source: County Official
Thunderstorm wind gusts estimated at over 70 mph damaged or destroyed farm outbuildings and overturned numerous center pivots near Tarnov . Trees were toppled in the area as well.				
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BOONE COUNTY --- 0.9 SW PRIMROSE [41.62, -98.24]				
	05/11/11 14:48 CST		0	Thunderstorm Wind (EG 61 kt)
	05/11/11 14:48 CST		0	Source: Law Enforcement
Law enforcement estimated thunderstorm wind gusts approached 70 mph in the Primrose area.				
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PLATTE COUNTY --- 0.9 NE HUMPHREY [41.69, -97.49]				
	05/11/11 15:03 CST		0	Thunderstorm Wind (EG 55 kt)
	05/11/11 15:03 CST		0	Source: County Official
Thunderstorm wind gusts estimated at over 60 mph caused grain bin damage in the Humphrey area.				
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COLFAX COUNTY --- HOWELLS [41.72, -97.00]				
	05/11/11 15:10 CST		0	Hail (0.75 in)
	05/11/11 15:10 CST		0	Source: Trained Spotter
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DODGE COUNTY --- 0.9 SE SCRIBNER [41.66, -96.66]				
	05/11/11 15:10 CST		0	Thunderstorm Wind (EG 52 kt)
	05/11/11 15:10 CST		0	Source: Trained Spotter
A spotter estimated thunderstorm wind gusts were around 60 mph.				
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CUMING COUNTY --- 1.0 W WEST PT [41.83, -96.74]				
	05/11/11 15:20 CST		15K	Thunderstorm Wind (EG 55 kt)
	05/11/11 15:20 CST		0	Source: Newspaper
Thunderstorm wind gusts estimated at over 60 mph toppled a tree which crushed the rear of a pickup truck just west of West Point.				
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STANTON COUNTY --- 6.7 NW STANTON [42.02, -97.32]				
	05/11/11 15:22 CST		0	Thunderstorm Wind (EG 52 kt)
	05/11/11 15:22 CST		0	Source: County Official
Thunderstorm wind gusts estimated at 60 mph reportedly picked up and moved a mini van northwest of Stanton.				
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THURSTON COUNTY --- 1.5 SSW EMERSON [42.26, -96.73]				
	05/11/11 15:55 CST		0	Thunderstorm Wind (EG 52 kt)
	05/11/11 15:55 CST		0	Source: Trained Spotter
A spotter estimated that thunderstorm wind gusts approached 60 mph near Emerson.				
<p>A line of thunderstorms, some severe, developed near the Kansas and Nebraska border south of Beatrice during the early afternoon of May 11th. Temperatures in the 80s and dew point temperatures in the mid/upper 60s from southeast Nebraska into easterly Kansas created moderately unstable conditions as a large upper level low pressure system organized over Colorado. Due to the circulation of the upper system, the storms lifted north across eastern Nebraska and produced areas of damaging winds and several large hail reports. With a boundary bisecting east central Nebraska and western Iowa a few tornadoes also spun-up just west and east of the region.</p>				
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THURSTON COUNTY --- 5.1 SSE MACY [42.05, -96.32]				
	05/12/11 16:00 CST		0	Hail (1.00 in)
	05/12/11 16:15 CST		0	Source: Public

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
Hail up to 1 inch in diameter fell for at least 15 to 20 minutes northwest of Decatur.				
PLATTE COUNTY --- 5.5 S ROSENBERG [41.57, -97.76]				
	05/12/11 17:08 CST	0		Hail (1.00 in)
	05/12/11 17:08 CST	0		Source: Trained Spotter
Pea to quarter-size hail covered the ground west of Columbus.				
JEFFERSON COUNTY --- 0.9 SE POWELL [40.21, -97.27]				
	05/12/11 17:25 CST	0		Hail (1.00 in)
	05/12/11 17:25 CST	0		Source: Trained Spotter
LANCASTER COUNTY --- 2.2 S LANCASTER [40.75, -96.66], 1.2 S UNIVERSITY PLACE [40.81, -96.62]				
	05/12/11 17:25 CST	0		Hail (1.75 in)
	05/12/11 17:35 CST	0		Source: Trained Spotter
Hail up to golf ball-size fell across mainly southeast Lincoln, with 1 inch hail reported near 70th and Pioneers, 1.5 inch hail near 40th and Old Cheney, and 1.75 inch hail near 48th and Highway 2.				
SALINE COUNTY --- 2.8 S TOBIAS [40.38, -97.34]				
	05/12/11 18:04 CST	0		Hail (1.00 in)
	05/12/11 18:04 CST	0		Source: Emergency Manager
BUTLER COUNTY --- 0.5 E SURPRISE [41.10, -97.31]				
	05/12/11 18:11 CST	0		Heavy Rain
	05/12/11 20:11 CST	0		Source: Trained Spotter
Rainfall of close to 3 inches fell in a few hour period in the Surprise area. The rain caused flash flooding along parts of the upper reaches of the Big Blue River.				
LANCASTER COUNTY --- 2.6 SE AGNEW [40.99, -96.80]				
	05/12/11 18:25 CST	0		Hail (0.88 in)
	05/12/11 18:25 CST	0		Source: Storm Chaser
GAGE COUNTY --- 0.7 S BLUE SPGS [40.12, -96.67]				
	05/12/11 18:30 CST	0		Hail (1.00 in)
	05/12/11 18:30 CST	0		Source: Trained Spotter
LANCASTER COUNTY --- DAVEY [40.98, -96.67]				
	05/12/11 18:50 CST	0		Hail (1.00 in)
	05/12/11 18:50 CST	0		Source: Trained Spotter
PLATTE COUNTY --- 0.5 E COLUMBUS [41.43, -97.36]				
	05/12/11 18:56 CST	0		Hail (1.00 in)
	05/12/11 18:56 CST	0		Source: Trained Spotter
SEWARD COUNTY --- 1.4 S SEWARD [40.88, -97.10]				
	05/12/11 18:58 CST	0		Hail (0.75 in)
	05/12/11 18:58 CST	0		Source: NWS Employee
SEWARD COUNTY --- 0.7 N SEWARD [40.91, -97.10]				
	05/12/11 19:04 CST	0		Hail (1.75 in)
	05/12/11 19:06 CST	0		Source: Trained Spotter
Hail up to golf ball-size fell in the Seward area for several minutes.				
BUTLER COUNTY --- 0.5 E SURPRISE [41.10, -97.31]				
	05/12/11 19:12 CST	0		Hail (1.00 in)
	05/12/11 19:12 CST	0		Source: Trained Spotter

Storm Data and Unusual Weather Phenomena - May 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
GAGE COUNTY --- 0.7 S BLUE SPGS [40.12, -96.67]				
	05/12/11 19:31 CST		0	Hail (1.25 in)
	05/12/11 19:42 CST		0	Source: Trained Spotter
Hail up to half dollar-size fell in the Wymore area for at least 10 minutes.				
GAGE COUNTY --- 0.9 NE BLUE SPGS [40.14, -96.66]				
	05/12/11 19:40 CST		0	Hail (1.25 in)
	05/12/11 19:40 CST		0	Source: Trained Spotter
PLATTE COUNTY --- 0.8 SSE PLATTE CENTER [41.52, -97.49], 1.5 E PLATTE CENTER [41.53, -97.47], 1.5 ENE PLATTE CENTER [41.54, -97.47], 0.3 WNW PLATTE CENTER [41.53, -97.50], 0.7 WSW PLATTE CENTER [41.53, -97.51]				
	05/12/11 19:41 CST		0	Flash Flood (due to Heavy Rain)
	05/12/11 21:10 CST		0	Source: Law Enforcement
Heavy rain cause brief flash-flooding of at least one road near Platte Center. Rainfall at the Loup Power Plant northeast of Columbus totaled over 3 inches from the storms this night, and some street flooding was also reported in Columbus. Any damage due to flooding was apparently minimal.				
LANCASTER COUNTY --- 1.3 WNW MALCOLM [40.91, -96.87]				
	05/12/11 19:45 CST		0	Hail (0.88 in)
	05/12/11 19:45 CST		0	Source: Trained Spotter
Nickel-size hail fell around the Malcolm area.				
BUTLER COUNTY --- 0.5 E GARRISON [41.18, -97.16]				
	05/12/11 19:50 CST		0	Thunderstorm Wind (EG 52 kt)
	05/12/11 19:50 CST		0	Source: Trained Spotter
Thunderstorms winds estimated at around 60 mph downed some 2 to 3 inch in diameter tree branches near Garrison.				
LANCASTER COUNTY --- 1.4 S ARROW ARPT [40.85, -96.65]				
	05/12/11 20:08 CST		0	Hail (1.00 in)
	05/12/11 20:08 CST		0	Source: Amateur Radio
Dime to quarter-size hail was reported near Cornhusker and I80.				
BUTLER COUNTY --- 0.5 E SURPRISE [41.10, -97.31], 2.9 E SURPRISE [41.10, -97.26], 2.1 NW ULYSSES [41.09, -97.25], 1.2 SE SURPRISE [41.09, -97.31]				
	05/12/11 20:11 CST		1K	Flash Flood (due to Heavy Rain)
	05/12/11 22:11 CST		0	Source: Trained Spotter
Heavy rain, around 3 inches in a few hours in the Surprise area, caused the Big Blue River and some small tributaries to flood in the Surprise area. The flooding mainly affected agricultural lowlands, but a few roads were also flooded for a bit.				
SARPY COUNTY --- 1.7 ENE GRETNA [41.16, -96.22]				
	05/12/11 21:05 CST		0	Hail (1.00 in)
	05/12/11 21:05 CST		0	Source: COOP Observer
DOUGLAS COUNTY --- 0.9 SW OMAHA [41.26, -96.01]				
	05/12/11 21:17 CST		0	Hail (1.00 in)
	05/12/11 21:17 CST		0	Source: Broadcast Media
Quarter-size hail fell near 107th and Ida Streets in far northwest Omaha.				
SAUNDERS COUNTY --- 0.5 E MEAD [41.23, -96.49], 1.4 S YUTAN [41.23, -96.40], 0.9 SW YUTAN [41.24, -96.41], 1.0 NE MEAD [41.24, -96.49]				
	05/12/11 21:22 CST		1K	Flash Flood (due to Heavy Rain)
	05/12/11 22:22 CST		0	Source: Law Enforcement
Heavy rain, estimated at between 2 and 3 inches, caused a brief closure of Highway 92 between Mead and Yutan due to water and mud over the road.				
SAUNDERS COUNTY --- 0.7 N CERESCO [41.06, -96.65], 2.6 NNW CERESCO [41.08, -96.67], 4.8 WNW CERESCO [41.08, -96.73], 3.7 WSW CERESCO [41.03, -96.72]				

Storm Data and Unusual Weather Phenomena - May 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
	05/12/11 21:22 CST		1K	Flash Flood (due to Heavy Rain)
	05/12/11 23:22 CST		0	Source: Law Enforcement

Heavy rain, estimated at 2 to 3 inches in a few hours, caused flash flooding which briefly closed at least one county road near Ceresco.

DOUGLAS COUNTY --- 2.1 NNE GIBSON [41.28, -95.95]

05/12/11 21:35 CST	0	Hail (1.00 in)
05/12/11 21:35 CST	0	Source: Public

Reported near 27th and Mason Streets.

BUTLER COUNTY --- 0.7 E SURPRISE [41.10, -97.31], 2.5 WNW ULYSSES [41.09, -97.26], 2.0 NW ULYSSES [41.09, -97.24], 1.5 ENE SURPRISE [41.11, -97.29]

05/12/11 22:11 CST	1K	Flood (due to Heavy Rain)
05/13/11 02:15 CST	0	Source: Official NWS Observations

Rainfall of around 3 inches in several hours caused flooding along the upper reaches of the Big Blue River near Surprise. The river near Surprise crested at little over 8 feet a little before midnight CST on the 12th, flood stage is 7 feet. Flooding mainly affected agricultural lowlands but also flooded a county road or two in the area.

Severe thunderstorms, some which produced heavy rain and flash flooding, tracked across eastern Nebraska for the second consecutive day. The storms were focused along two boundaries. One was a cold front that dropped south from northeast Nebraska and the other was a dry-line type front that was pushing east northeast from south central Nebraska and northern Kansas. Temperatures and dew points in southeast Nebraska ahead of both fronts were in the mid to upper 70s and lower 60s respectively, while temperatures were in the lower 60s behind the cold front and dew point temperatures west of the dry-line were in the mid 40s to around 50. A large upper low in southwest Nebraska caused surface low pressure to deepen over southwest Nebraska/north central Kansas which caused much of the activity in Nebraska to track to the north or northwest, but the interacting boundaries caused varying movements later in the event with some back-building producing heavy rain and low level shear caused a possible but unconfirmed short-lived weak tornado west northwest of Seward.

SEWARD COUNTY --- MILFORD [40.77, -97.05]

05/19/11 18:50 CST	0	Hail (1.00 in)
05/19/11 18:50 CST	0	Source: Trained Spotter

SEWARD COUNTY --- 4.2 S GARLAND [40.89, -96.99]

05/19/11 19:08 CST	0	Hail (1.00 in)
05/19/11 19:08 CST	0	Source: Trained Spotter

JEFFERSON COUNTY --- 0.9 SW FAIRBURY [40.14, -97.18]

05/19/11 21:26 CST	0	Hail (1.00 in)
05/19/11 21:26 CST	0	Source: Emergency Manager

SALINE COUNTY --- 3.8 SW WILBER MUNI ARPT [40.43, -97.03]

05/19/11 22:05 CST	0	Hail (1.00 in)
05/19/11 22:05 CST	0	Source: Emergency Manager

SAUNDERS COUNTY --- 1.1 E WAHOO [41.22, -96.60], WAHOO [41.22, -96.62], 0.9 N WAHOO [41.23, -96.62], 1.4 S WAHOO ARPT [41.23, -96.60]

05/20/11 08:30 CST	1K	Flood (due to Heavy Rain)
05/20/11 16:50 CST	0	Source: Law Enforcement

Rainfall of 2 inches or more fell near and west of Wahoo with a little less than that reported east of town. Prague reported 2.84 inches of rain over the 24 hour period ending 7am CDT 5/20. The heavy rain produced flooding along Sand Creek or Cottonwood Creek which flooded across Highway 77/92 east of Wahoo prompting its closure for several hours.

SAUNDERS COUNTY --- 2.0 NW MEMPHIS [41.12, -96.48], 0.9 S ITHACA [41.16, -96.55], 1.3 ESE WAHOO [41.21, -96.60], 1.6 S WAHOO [41.20, -96.62], 1.9 S ITHACA [41.14, -96.55]

05/20/11 13:00 CST	5K	Flood (due to Heavy Rain)
05/20/11 22:30 CST	0	Source: Official NWS Observations

Rainfall of 2 to 3 inches fell over a large part of the Wahoo Creek basin causing it to flood around the Ithaca area. The Creek's stage at Ithaca crested just under 20 feet in the early evening hours of 5/20, flood stage is 19 feet. The flooding closed a few county roads and flooded farmland along the river. The fairgrounds on the southeast side of Wahoo also flooded.

Storm Data and Unusual Weather Phenomena - May 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
JEFFERSON COUNTY --- 2.3 SW ENDICOTT [40.06, -97.13], 2.6 ESE ENDICOTT [40.07, -97.05], 1.5 S FAIRBURY [40.13, -97.17], 2.3 NE HEDRIX [40.21, -97.22], 0.3 NE HEDRIX [40.18, -97.25]				
	05/20/11 14:30 CST		0	Flood (due to Heavy Rain)
	05/20/11 19:15 CST		0	Source: Official NWS Observations
Rainfall of 2 to 3 inches fell across part of the lower Little Blue River basin causing it to briefly go above it's 17.5 foot flood stage near Fairbury. The flooding mainly affected a county road or two and flooded some lowlands along the river but damage was minimal .				
SALINE COUNTY --- 1.2 NE WILBER [40.49, -96.93], 1.7 SW CRETE ARPT [40.60, -96.94], 4.0 N CRETE [40.69, -96.96], 4.2 NNW CRETE [40.68, -96.99], 0.6 ESE WILBER MUNI ARPT [40.47, -96.97]				
	05/20/11 16:00 CST		5K	Flood (due to Heavy Rain)
	05/23/11 10:30 CST		0	Source: Official NWS Observations
Rainfall of 3 to 4 inches during the evening and overnight hours of 5/19 and 5/20 over Saline county and upstream. This caused the Big Blue River to flood farmland and county roads around the Crete area. The river at Crete crested just under 20.5 feet in the morning of 5/22, flood stage is 18 feet.				
SALINE COUNTY --- 3.3 WNW DE WITT [40.42, -96.97], 1.6 W SHESTAK [40.53, -97.00], 4.7 W SHESTAK [40.54, -97.06], 2.8 SSW WILBER MUNI ARPT [40.43, -97.00]				
	05/21/11 02:30 CST		1K	Flood (due to Heavy Rain)
	05/22/11 05:30 CST		0	Source: Official NWS Observations
Rainfall of around 2 to 3 inches fell across a large part of the Turkey Creek basin in the evening and overnight hours of 5/19 and 5/20. This water eventually caused Turkey Creek to flood in the Wilber area. The creek crested a little over 12 feet in the morning of 5/21, flood stage near Wilber is 11 feet. The flooding affected mainly agricultural lowlands along the river but a few county roads were also flooded .				
Thunderstorms developed over eastern Nebraska during the evening of 5/19 ahead of a large upper level low pressure system over the Rocky Mountains and north of a warm front in Kansas. The storms mainly produced areas of heavy rain...with 2 to 3+ inches common from David City and Wahoo south through Lincoln, Crete and Fairbury. This produced some flooding around Wahoo and along the Big Blue River near Crete and the Little Blue River near Fairbury.				
BOONE COUNTY --- 3.0 W PRIMROSE [41.62, -98.29], 1.2 NNW CEDAR RAPIDS ARPT [41.56, -98.18], 1.5 ENE CEDAR RAPIDS [41.58, -98.12], 0.8 ENE PRIMROSE [41.64, -98.22]				
	05/20/11 19:36 CST		1K	Flash Flood (due to Heavy Rain)
	05/20/11 23:30 CST		0	Source: Law Enforcement
Rainfall of 2 to 3 inches fell west through southwest of Albion as thunderstorms repeatedly tracked across the same area during the late afternoon and evening of 5/20. This caused flash flooding across Highway 52 and a few county roads along the Cedar River between Primrose and Cedar Rapids. The flooding briefly closed the highway and also flooded some farmland over the area. However, damage was apparently minimal.				
Thunderstorms repeatedly tracked across Boone county, especially west of Albion, for several hours during the evening of 5/20. This produced isolated flash flooding across a few roads in the Cedar Rapids and Primrose area. The storms developed and tracked around a large upper low to the west of the region.				
COLFAX COUNTY --- 2.0 N ROGERS [41.50, -96.93]				
	05/21/11 13:30 CST		0	Funnel Cloud
	05/21/11 13:30 CST		0	Source: Law Enforcement
High based towering cumulus or a small developing thunderstorm produced a funnel cloud that prompted numerous calls to the NWS from many directions from north of Columbus to the Fremont area. The funnel could have possibly touched down according to a public report and still pictures viewed at the NWS. However, no reports of damage or solid confirmation of a touchdown was received. The cell that produced the funnel was on the northeast or leading edge of a thunderstorm in Butler county that developed into a relatively short-lived line of strong thunderstorms over the next hour or so.				
RICHARDSON COUNTY --- 0.5 W HUMBOLDT [40.17, -95.94]				
	05/21/11 16:17 CST		0	Hail (0.75 in)
	05/21/11 16:17 CST		0	Source: Trained Spotter
BUTLER COUNTY --- 1.6 W SURPRISE [41.10, -97.35]				
	05/21/11 16:20 CST		0	Hail (1.75 in)
	05/21/11 16:20 CST		0	Source: COOP Observer
Golf ball-size hail fell near Surprise from the first of 2 supercell thunderstorms that hit the area within an hour and half or so. The hail from the storms covered the ground several inches deep that stayed on the ground for a few hours.				

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
BUTLER COUNTY --- 2.6 W RISING CITY [41.20, -97.35], RISING CITY [41.20, -97.30]				
	05/21/11 16:24 CST		0	Hail (1.00 in)
	05/21/11 16:25 CST		0	Source: Law Enforcement
Hail of around an inch in diameter fell in and west of Rising City.				
RICHARDSON COUNTY --- 1.7 WSW SHUBERT [40.22, -95.71]				
	05/21/11 16:33 CST		0	Hail (0.75 in)
	05/21/11 16:33 CST		0	Source: COOP Observer
Hail up to penny-size was reported in the area.				
BUTLER COUNTY --- DAVID CITY [41.25, -97.13]				
	05/21/11 16:49 CST		0	Hail (1.00 in)
	05/21/11 16:49 CST		0	Source: Emergency Manager
Most hail stones in town were 1/2 inch or so in diameter, although some hailstones were around quarter-size or perhaps even a bit larger.				
CUMING COUNTY --- 0.7 S ALOYS [41.84, -96.67]				
	05/21/11 16:50 CST		0	Hail (1.50 in)
	05/21/11 16:50 CST		0	Source: Public
Hail up to ping pong ball-size was reported.				
PLATTE COUNTY --- 1.0 SE (OLU)COLUMBUS ARPT [41.44, -97.32]				
	05/21/11 16:52 CST		0	Hail (1.00 in)
	05/21/11 16:52 CST		0	Source: Emergency Manager
Hail up to quarter-size was reported on the east side of Columbus.				
NEMAHA COUNTY --- 3.8 SW AUBURN [40.36, -95.88]				
	05/21/11 17:10 CST		0	Hail (1.00 in)
	05/21/11 17:10 CST		0	Source: Trained Spotter
Hail up to quarter-size was reported in the Auburn area.				
BUTLER COUNTY --- 2.7 NW ULYSSES [41.09, -97.26]				
	05/21/11 17:35 CST		0	Funnel Cloud
	05/21/11 17:37 CST		0	Source: NWS Employee
A supercell thunderstorm produced a funnel and even a possible tornado touchdown near Surprise . An off-duty NWS meteorologist confirmed the funnel and there were a few unconfirmed reports of a brief tornado near town, but little or no damage was observed.				
BUTLER COUNTY --- 1.4 NW SURPRISE [41.11, -97.34], 4.0 SW SURPRISE [41.06, -97.37], 3.1 SE SURPRISE [41.06, -97.28], 2.4 ENE SURPRISE [41.11, -97.28]				
	05/21/11 17:50 CST		0	Flash Flood (due to Heavy Rain)
	05/21/11 19:30 CST		0	Source: Emergency Manager
Several slow moving thunderstorms crossed the Surprise area dropping around 2 to 3 inches of rain in a few hours. This produced flash flooding over at least one road in or near Surprise. Damage due to flooding was minimal, however. The storms also dropped large hail in the region and a funnel or possible brief tornado.				
CASS COUNTY --- 0.9 NW MURDOCK [40.93, -96.28]				
	05/21/11 17:54 CST		0	Hail (1.75 in)
	05/21/11 17:54 CST		0	Source: Law Enforcement
STANTON COUNTY --- 7.0 NE STANTON [42.02, -97.13]				
	05/21/11 18:00 CST		0	Thunderstorm Wind (EG 50 kt)
	05/21/11 18:00 CST		0	Source: Public

Storm Data and Unusual Weather Phenomena - May 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
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Thunderstorm wind gusts estimated at close to 60 mph knocked over 2 trees north of Stanton. The winds were accompanied by hail just under 3/4 of an inch in diameter.

WAYNE COUNTY --- 2.5 SW WAYNE [42.21, -97.06], WAYNE [42.23, -97.02]

	05/21/11 18:10 CST	0		Hail (1.75 in)
	05/21/11 18:15 CST	0		Source: Trained Spotter

Hail up to golf ball-size fell from southwest of Wayne into town.

SARPY COUNTY --- 3.5 S GRETNA [41.10, -96.24], 1.2 S LA VISTA [41.13, -96.03]

	05/21/11 18:18 CST	0		Funnel Cloud
	05/21/11 18:25 CST	0		Source: Amateur Radio

Several weak/small funnel clouds briefly formed on at least one storm that moved across Sarpy county. No touchdowns were observed, but numerous pictures of the funnels were taken and some made the local news report.

BUTLER COUNTY --- 0.5 E BRUNO [41.28, -96.96]

	05/21/11 18:20 CST	0		Hail (1.25 in)
	05/21/11 18:20 CST	0		Source: Fire Department/Rescue

Hail around half dollar-size, or perhaps a bit larger, was reported in the Bruno area.

SARPY COUNTY --- SPRINGFIELD [41.08, -96.13], 0.8 WSW CHALCO [41.18, -96.16]

	05/21/11 18:21 CST	0		Hail (1.50 in)
	05/21/11 18:27 CST	0		Source: Trained Spotter

Hail up to 1.5 inches in diameter fell from near Springfield to near Gretna and then to near 159th and Giles Road. The hail was from the first of at least 3 storms that crossed the county this evening producing large hail.

CEDAR COUNTY --- 0.5 W LAUREL [42.43, -97.09]

	05/21/11 18:30 CST	0		Hail (0.88 in)
	05/21/11 18:30 CST	0		Source: Law Enforcement

DOUGLAS COUNTY --- 2.1 WNW OMAHA MILLARD ARPT [41.21, -96.16], 2.6 SSE BENNINGTON [41.34, -96.15]

	05/21/11 18:30 CST	0		Hail (1.25 in)
	05/21/11 18:51 CST	0		Source: Fire Department/Rescue

Hail of around quarter to half dollar-size fell from the first of at least 2 hail producing thunderstorms that crossed Douglas county/Omaha this evening. Hail from this storm in Douglas county was first reported in and just southwest of the Millard area with other reports received near 145th and Blondo Streets, 144th and Fort Streets and 156th and State Streets.

SARPY COUNTY --- 2.9 SSW CHALCO [41.14, -96.16], 0.5 E GILMORE JCT [41.15, -95.92]

	05/21/11 18:35 CST	0		Hail (1.00 in)
	05/21/11 19:15 CST	0		Source: Other Federal Agency

From the 2nd of at least 3 storms that produced severe-size hail in Sarpy county this evening. This storm dropped quarter-size or perhaps a bit larger hail from near Gretna and the Chalco area east northeast to north of Offutt AFB over a period 45 minutes or so.

SARPY COUNTY --- 0.3 NNE OFFUTT WEST [41.15, -95.95], 1.1 E AVERY [41.17, -95.91]

	05/21/11 18:44 CST	0		Hail (1.25 in)
	05/21/11 18:49 CST	0		Source: Public

Hail of around quarter-size or a bit larger fell around the Bellevue area from the split of the first of at least 3 storms that produced severe-size hail in Sarpy county this evening.

DOUGLAS COUNTY --- 0.9 SW OMAHA [41.26, -96.01]

	05/21/11 19:02 CST	0		Hail (0.88 in)
	05/21/11 19:02 CST	0		Source: Amateur Radio

WASHINGTON COUNTY --- 1.7 WSW FT CALHOUN [41.46, -96.06]

	05/21/11 19:04 CST	0		Hail (0.88 in)
	05/21/11 19:04 CST	0		Source: Amateur Radio

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Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
DOUGLAS COUNTY --- 0.9 SW OMAHA [41.26, -96.01]				
	05/21/11 19:10 CST		0	Hail (1.00 in)
	05/21/11 19:11 CST		0	Source: Amateur Radio
Hail of around quarter-size was reported near 90th and Burt and 108th and Blondo Streets. This was from the second storm to produce severe-size hail this evening in Douglas county.				
CASS COUNTY --- 1.0 WSW OREAPOLIS [41.05, -95.97]				
	05/21/11 19:55 CST		0	Hail (1.00 in)
	05/21/11 19:55 CST		0	Source: Other Federal Agency
Mostly 1/2 inch size but a few 3/4 to 1 inch in diameter hailstones fell in the Bay Hills Golf Course area.				
SARPY COUNTY --- 0.9 SE AVERY [41.16, -95.92]				
	05/21/11 19:55 CST		0	Hail (0.75 in)
	05/21/11 19:55 CST		0	Source: Trained Spotter
Near 25th and Fairview Road.				
SARPY COUNTY --- 0.9 SE AVERY [41.16, -95.92]				
	05/21/11 20:05 CST		0	Hail (1.75 in)
	05/21/11 20:06 CST		0	Source: Trained Spotter
Hail up to golf ball-size fell in the Bellevue area from at least the 3rd storm that produced severe-size hail in Sarpy county this evening. The hail was reported to cause some damage to vehicles near 205th and Industrial Road.				
<p>Scattered severe thunderstorms developed over eastern Nebraska during the afternoon of May 21 and tracked and developed into western Iowa during the early to mid evening hours. The storms developed as cold air aloft spread into the region on the south side of a large upper low that was over the Dakotas. Initially the storms developed in the mid afternoon on a dry-line that was southeast of Columbus and Wayne. The storms became more widespread from late afternoon into early evening as conditions became a little more unstable and a disturbance rotated around the low. Most of the storms were multi-cellular in nature, including multiple but relatively small severe storms that tracked across the Omaha metro over a period of 1 to 2 hours. However, a few storms developed supercell characteristics including one that produced a funnel cloud saw by many, and large hail near Surprise. In addition, due the cold cyclonic spinning air aloft and weak boundaries in the region, several other funnel clouds were also reported.</p>				
RICHARDSON COUNTY --- 2.8 S FALLS CITY [40.03, -95.60], 2.8 S FALLS CITY [40.03, -95.60], 2.7 S FALLS CITY [40.03, -95.60], 2.7 S FALLS CITY [40.03, -95.60]				
	05/25/11 17:10 CST		1K	Flash Flood (due to Heavy Rain)
	05/25/11 19:10 CST		0	Source: Law Enforcement
Two to three inches of rain fell over much of Richardson county over several hours during the afternoon /early evening of 5/25...2.29 inches was measured at Falls City. The heavy rain caused flash flooding for a few hours across Pony Creek Road south of Falls City causing its brief closure.				
Heavy rain producing thunderstorms wrapped around low pressure that tracked south of the region. The resultant training of echoes over far southeast Nebraska caused an isolated flash flooding report near Falls City.				
KNOX COUNTY --- 5.6 NW VERDEL [42.87, -98.29], 3.2 WNW NIOBRARA [42.78, -98.08], 2.3 ENE NIOBRARA [42.76, -97.98], 4.4 SW SANTEE [42.78, -97.88], 0.9 NE SANTEE [42.84, -97.81]				
	05/26/11 05:00 CST		25K	Flood (due to Heavy Rain / Snow Melt)
	05/31/11 23:59 CST		0	Source: Official NWS Observations
Heavy rain on the upper Missouri River basin and then high releases from Missouri River Reservoirs brought prolonged flooding along the Missouri River. In Knox county the flooding closed Highway 12 east of Verdel and east of Niobrara and also closed Highway 14/37 north of Niobrara. The flooding also forced the evacuation of Lazy River Acres which was in between Niobrara and Verdel. The flooding carried over into and got progressively worse in June.				
WASHINGTON COUNTY --- 2.6 SE NASHVILLE [41.39, -95.97], 2.4 W BLAIR ARPT [41.58, -96.22], 8.8 NNE BLAIR ARPT [41.70, -96.14], 6.6 ENE BLAIR [41.60, -96.04], 4.7 NNE FT CALHOUN BIL LO AR [41.53, -95.97]				
	05/26/11 07:00 CST		25K	Flood (due to Heavy Rain / Snow Melt)
	05/31/11 23:59 CST		0	Source: Official NWS Observations

Storm Data and Unusual Weather Phenomena - May 2011

Location	Date/Time	Deaths & Injuries	Property & Crop Dmg	Event Type and Details
High releases from upstream reservoirs brought steadily increasing flows and flooding along the Missouri River. The river near Blair climbed to around its 26.5 foot flood stage in the morning of May 26th, and then continued rising into June. The flooding in Washington county was especially felt in the Fort Calhoun where at least 60 homes or cabins were flooded or cutoff by flood waters. The high school in Ft. Calhoun was opened as a shelter for flood victims. In addition, recreation areas along the river were flooded.				

DOUGLAS COUNTY --- 2.8 SE ALBRIGHT [41.19, -95.93], 0.8 WNW EAST OMAHA [41.38, -95.96], 1.8 NE EAST OMAHA [41.39, -95.92], 1.9 NNE (OMA)EPPLEY FLD OMAH [41.32, -95.89], 1.8 SSE (OMA)EPPLEY FLD OMAH [41.28, -95.88]

	05/27/11 20:00 CST		5K	Flood (due to Heavy Rain / Snow Melt)
	05/31/11 23:59 CST		0	Source: Official NWS Observations

High releases from upstream reservoirs brought steadily increasing flows along the Missouri River. At Omaha the river climbed to around its 29 foot flood stage late on May 27th, and then continued rising into June. The flooding in Douglas county along the Missouri closed a park and baseball diamonds on the northwest side of Omaha, and low areas around downtown on the river side of the Levee began flooding when flood gates were installed. Boating and other recreational areas were also either flooded or closed by the end of the month.

SARPY COUNTY --- 1.9 NNW AVERY [41.20, -95.94], 1.7 E AVERY [41.17, -95.90], 1.4 SW ST COLUMBANS [41.06, -95.90], 1.4 SSE ST COLUMBANS [41.06, -95.87], 3.3 NE BELLEVUE [41.16, -95.86], 3.4 NE AVERY [41.20, -95.88]

	05/27/11 20:00 CST		5K	Flood (due to Heavy Rain / Snow Melt)
	05/31/11 23:59 CST		0	Source: Official NWS Observations

High releases from upstream reservoirs brought steadily increasing flows along the Missouri River. The river near Omaha climbed to around its 29 foot flood stage late on May 27th, and then continued rising into June. The flooding in Sarpy county spread into at least one park causing its closure. Boating and other recreational areas were also either flooded or closed.

High releases from upstream reservoirs brought increasing flows and flooding along the Missouri River downstream of Gavins Point Dam.

DOUGLAS COUNTY --- 0.5 W ELKHORN [41.28, -96.24]

	05/29/11 05:55 CST		0	Hail (1.25 in)
	05/29/11 05:55 CST		0	Source: NWS Employee

An off duty NWS employee reported that a few hailstones around half dollar-size fell in the Elkhorn area.

DOUGLAS COUNTY --- 0.9 W VALLEY [41.32, -96.37]

	05/29/11 05:56 CST		0	Hail (0.75 in)
	05/29/11 05:56 CST		0	Source: Official NWS Observations

A few pieces of very transparent hail around dime-size fell at the NWS office near Valley.

DOUGLAS COUNTY --- 0.9 S IRVINGTON [41.31, -96.05], 0.6 NNW NORTH OMAHA [41.34, -95.97]

	05/29/11 06:16 CST		0	Hail (0.88 in)
	05/29/11 06:20 CST		0	Source: Trained Spotter

Penny to nickel-size hail fell across parts of Omaha, mainly the northwest section, from around 90th and Fort Streets to the Florence area.

Thunderstorms developed in southeast Nebraska an elevated warm advection zone north of a surface warm front which was in southeast Kansas. The storms produced isolated hail reports as large as half dollar-size.

JEFFERSON COUNTY --- 0.9 SW FAIRBURY [40.14, -97.18]

	05/29/11 20:39 CST		0	Hail (0.75 in)
	05/29/11 20:39 CST		0	Source: Emergency Manager

Accompanied by wind gusts of 40 mph.

JEFFERSON COUNTY --- 0.7 N JANSEN [40.19, -97.08]

	05/29/11 20:44 CST		0	Hail (1.00 in)
	05/29/11 20:44 CST		0	Source: Emergency Manager

ANTELOPE COUNTY --- 0.5 W CLEARWATER [42.17, -98.19]

	05/29/11 21:10 CST		0	Thunderstorm Wind (EG 50 kt)
	05/29/11 21:10 CST		0	Source: Trained Spotter

Thunderstorm wind gusts estimated at close to 60 mph downed tree limbs in the area.

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PIERCE COUNTY --- 5.5 S FOSTER [42.20, -97.68]				
	05/29/11 21:12 CST		0	Hail (0.75 in)
	05/29/11 21:12 CST		0	Source: Trained Spotter
CEDAR COUNTY --- 0.9 NE MAGNET [42.46, -97.47]				
	05/29/11 21:42 CST		0	Hail (1.00 in)
	05/29/11 21:42 CST		0	Source: Trained Spotter
KNOX COUNTY --- 1.7 WNW SANTEE [42.84, -97.85]				
	05/29/11 22:42 CST		0	Hail (1.00 in)
	05/29/11 22:42 CST		0	Source: Trained Spotter
<p>Thunderstorms developed north of a warm front that was in southeast Nebraska and southwest Iowa during the evening of 5/29. Warm mid level temperatures limited the coverage of the storms early in the evening. However, an increasing low level jet helped fuel a wider coverage of storms later in the evening in northeast Nebraska and a few storms that developed on the dry-line in Kansas managed to work into far southeast Nebraska.</p>				
STANTON COUNTY --- 0.5 E STANTON [41.95, -97.22]				
	05/30/11 21:10 CST		14K	Thunderstorm Wind (MG 56 kt)
	05/30/11 21:10 CST		0	Source: Emergency Manager
<p>Thunderstorm winds that were measured at 65 mph by emergency management uprooted trees at a golf course just south of town and caused tree...building and sign damage in Stanton.</p>				
BUTLER COUNTY --- 2.0 ENE BELLWOOD [41.36, -97.21]				
	05/30/11 21:20 CST		0	Thunderstorm Wind (EG 60 kt)
	05/30/11 21:20 CST		0	Source: Newspaper
<p>Thunderstorm wind gusts estimated at around 70 mph broke power poles and did tree damage along the Platte River north of Bellwood.</p>				
COLFAX COUNTY --- HOWELLS [41.72, -97.00]				
	05/30/11 21:40 CST		0	Thunderstorm Wind (MG 74 kt)
	05/30/11 21:40 CST		0	Source: COOP Observer
<p>Thunderstorm wind gusts of 85 mph were measured by the cooperative observer near Howells.</p>				
CUMING COUNTY --- 1.2 NE WISNER [41.99, -96.91]				
	05/30/11 21:45 CST		0	Thunderstorm Wind (EG 55 kt)
	05/30/11 21:45 CST		0	Source: Law Enforcement
<p>Thunderstorm winds estimated at over 60 mph uprooted trees near Wisner.</p>				
THURSTON COUNTY --- 3.5 N ROSALIE [42.10, -96.51]				
	05/30/11 22:10 CST		0	Thunderstorm Wind (EG 52 kt)
	05/30/11 22:10 CST		0	Source: Law Enforcement
<p>Thunderstorm wind gusts were estimated at around 60 mph.</p>				
BURT COUNTY --- 0.5 E TEKAMAH [41.78, -96.22]				
	05/30/11 22:37 CST		0	Thunderstorm Wind (EG 55 kt)
	05/30/11 22:37 CST		0	Source: Trained Spotter
<p>Thunderstorm wind gusts estimated at over 60 mph caused tree damage in the Tekamah area.</p>				
<p>Thunderstorms developed into a squall line and raced across eastern Nebraska during the evening of May 30. The storms were along a cold front that moved across the area during the evening and produced local reports of damaging winds.</p>				