



National Weather Service

Storm Data and Unusual Weather Phenomena



August 2005

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed	Number of Persons Injured	Estimated Damage Property	Estimated Damage Crops	Character of Storm
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ILLINOIS, Northwest

ILZ001>002-007-009-015>018-024>026-034>035 Jo Daviess - Stephenson - Carroll - Whiteside - Rock Island - Henry - Bureau - Putnam - Mercer - Henderson - Warren - Hancock - Mcdonough

01	0000CST								
31	2359CST				0	0	48.5M		Drought

The 2005 drought that started back in June continued through the month of August 2005 and into September 2005. Severe to extreme drought continued across the northern half of Illinois, eastern third of Iowa, and northeast Missouri. Although rainfall was more plentiful during the month, it continued to remain widely scattered. What rainfall did occur helped keep soybean losses to a minimum and preserved what was left of the corn crop. The severe dryness of the drought continued to place it equal to or exceeding the drought of 1988. By the end of August the governor of Iowa had requested areas south and east of a line from Dubuque, to Independence, to Ottumwa (save Buchanan County) be declared an agricultural disaster area.

Soybean crop losses generally were estimated at a 10-15% reduction in yield across Illinois, eastern Iowa, and northeast Missouri. There were pockets across eastern Iowa and northeast Missouri where an estimated 20-30% reduction in yield for soybeans was expected.

Jo Daviess County

Galena

18	0640CST								
	0850CST				0	0			Heavy Rain

3.25 inches of rain in two hours; water ponding in the backyard. 3.3 inches of rain was reported a short distance away with a golf course flooded and soil erosion on nearby hills.

Jo Daviess County

Warren

18	0700CST								
					0	0	7K		Thunderstorm Wind (EG52)

Several large oak trees were downed in the town of Warren with one tree down on a house

Stephenson County

Orangeville

18	0729CST								
					0	0	5K		Thunderstorm Wind (EG52)

Power lines down

Henderson County

Big River St Forest

18	0810CST								
					0	0	2K		Thunderstorm Wind (EG57)

WFO DVN Electronics Technician reported some trees were downed along with several large branches on County Route 3 just north of Bald Bluff Road.

Whiteside County

Sterling

18	0810CST								
	0845CST				0	0			Heavy Rain

Water ponding on some streets.

A strong low level jet in combination with two upper level disturbances produced two lined of thunderstorms in a near tropical atmosphere. The northern line bowed out across southwest Wisconsin and moved into northwest Illinois. Very heavy rainfall caused some nuisance flooding.

The southern line formed across southeast Iowa and moved east into west central Illinois. The line appeared to bow out ever so slightly in Des Moines County Iowa and Henderson County Illinois

Mcdonough County

1 NW Tennessee

19	1830CST								
	1907CST				0	0			Heavy Rain

2.50 inches of rain in 35 minutes.



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ILLINOIS, Northwest

McDonough County

Macomb **19** **1840CST** **0** **0** **5K** **Thunderstorm Wind (EG52)**
 Trees and power lines down in the city. An unsubstantiated wind gust of 58 knots (67 mph) was reported in Macomb.

Carroll County

Milledgeville **19** **2302CST** **0** **0** **3K** **Thunderstorm Wind (EG57)**
 A wind gust estimated at 57 knots (65 mph) resulted in 8-10 inch diameter limbs downed that landed up to 10 feet away from their parent tree. A garage door was pushed in on a residence.

Carroll County

Thomson **19** **2302CST** **0** **0** **7K** **Thunderstorm Wind (EG52)**
 Tree down on a camper.

An upper level disturbance allowed scattered thunderstorms to develop in a near tropical atmosphere in northeast Missouri and west central Illinois. A lone storm became severe as it moved across McDonough County Illinois

Later that night, a small line of thunderstorms developed ahead of a cold front in east central Iowa. The storms bowed slightly as they exited east central Iowa and moved into northwest Illinois. Severe reports were few but considerable localized heavy rainfall fell in a short time.

IOWA, East Central and Southeast

IAZ041>042-051>054-063>068-076>078-087>089-098>099 **Delaware - Dubuque - Benton - Linn - Jones - Jackson - Iowa - Johnson - Cedar - Clinton - Muscatine - Scott - Keokuk - Washington - Louisa - Jefferson - Henry - Des Moines - Van Buren - Lee**

01 **0000CST** **0** **0** **42.7M** **Drought**
31 **2359CST**

The 2005 drought that started back in June continued through the month of August 2005 and into September 2005. Severe to extreme drought continued across the northern half of Illinois, eastern third of Iowa, and northeast Missouri. Although rainfall was more plentiful during the month, it continued to remain widely scattered. What rainfall did occur helped keep soybean losses to a minimum and preserved what was left of the corn crop. The severe dryness of the drought continued to place it equal to or exceeding the drought of 1988. By the end of August the governor of Iowa had requested areas south and east of a line from Dubuque, to Independence, to Ottumwa (save Buchanan County) be declared an agricultural disaster area

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Buchanan County

2 E Fairbank **09** **1954CST** **0** **0** **0.50K** **Thunderstorm Wind (EG52)**
 General public reported tree branches down with wind estimated over 60 mph

Buchanan County

2.5 NW Winthrop to 2.4 NNE Winthrop **11** **1946CST** **3.4** **20** **0** **0** **10K** **Tornado (F0)**
1952CST
 Rated high F0 with winds estimated at 57 knots (65 mph). Based on areal video footage from KCRG TV Chopper 9.



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					Killed	Injured	Property	Crops	

IOWA, East Central and Southeast

Tornado developed in a corn field north of the intersection of Plymouth Avenue and 205th Street 2.5 miles northwest of Winthrop. Tornado moved on an east northeast track crossing 200th Street about 0.5 miles west of Reed Avenue and then crossing Reed Avenue about 0.3 miles north of 200th Street. Tornado continued east northeast crossing county route W45 (Slater Avenue) about 0.3 miles south of 190th Street. The tornado appears to have dissipated 0.3 miles east of Slater Avenue in a corn field just short of outbuildings on the Tegler Farm. Maximum width was 20 yards.

Washington County

**3.4 W Riverside to
1.9 N Riverside**

11	1947CST 1956CST				0	0	1K	10K	Thunderstorm Wind (EG57)
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Storm cut a swath across northern Washington County from 3.4 miles west of Riverside to 1.9 miles north of Riverside. The initial damage occurred halfway between Riverside and Kalona with 18 inch diameter limbs down and corn in the fields flattened. Radar data indicates that sporadic to near continuous damage to corn fields likely occurred from this point until the storm entered into southeast Johnson County.

Johnson County

**3.9 SW Hills to
6.3 E Iowa City**

11	1955CST 2015CST				0	0		20K	Thunderstorm Wind (EG57)
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Storm entered Johnson County from Washington County 3.9 miles southwest of Hills and moved over rural areas of Johnson County. Numerous farmers had corn fields flattened along the path of the storm.

Cedar County

**1.6 NW Downey to
4.6 SW Lowden**

11	2025CST				0	0	60K	30K	Thunderstorm Wind (EG61)
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Storm entered Cedar County from Johnson County northwest of Downey. At the West Branch exit on Interstate 80 a loaded semi was blown over. Trees and power lines were downed in West Branch along with baseball sized hail 4 miles east of the town. A barn and outbuilding were destroyed just before Springdale on county route F44. Based on KDVN 88D velocity data, the last expected severe damage was done 4.6 miles southwest of Lowden. The co-operative observer in Lowden only reported a peak wind gust of 37 knots (43 mph) when the storm moved through. Estimated times (all CST) for the West Branch area are 2025 and 2042 for Tipton.

Cedar County

**West Branch to
Springdale**

11	2025CST				0	0	40K	10K	Hail(2.75)
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Baseball sized hail damaged the home of the county emergency manager and several other homes on the east side of West Branch.

Cedar County

Tipton

11	2042CST				0	0	3K		Thunderstorm Wind (EG53)
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10 inch diameter limbs and 2 foot diameter trees were downed on the south side of the city.

An upper level disturbance interacted with a stationary front across southern Iowa to produce thunderstorms in a near tropical atmosphere. An isolated severe storm developed in Washington County ahead of the main storm complex and produced near continuous or continuous wind damage across northern Washington, southeast Johnson, and southwest into central Cedar Counties. A second isolated severe thunderstorm produced a weak tornado in Buchanan County Iowa near Winthrop.



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IOWA, East Central and Southeast

Dubuque County

Dubuque	18	0635CST			0	0			Heavy Rain
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Water 4-6 inches deep in some streets on the south side of the city between Rockdale Rd and Cedar Cross Rd

Des Moines County

1.3 SW Huron	18	0748CST 0753CST			0	0	10K		Thunderstorm Wind (EG61)
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A downburst destroyed a nearly new machine shed on the Perdelwitz Farm in northern Des Moines County. The downburst blew in the shed door which allowed damaging winds to lift off part of the roof. The nearby farm house was undamaged. Based on the damage to the shed and lack of damage to the house, winds were estimated at 61 knots (70 mph).

A strong low level jet in combination with two upper level disturbances produced two lined of thunderstorms in a near tropical atmosphere. The northern line bowed out across southwest Wisconsin and moved into northwest Illinois. Very heavy rainfall caused some nuisance flooding.

The southern line formed across southeast Iowa and moved east into west central Illinois. The line appeared to bow out ever so slightly in Des Moine County Iowa and Henderson County Illinois

Linn County

Cedar Rapids	19	2049CST			0	0			Heavy Rain
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0.64 inches of rain in 20 minutes at the corner of 42nd St and Edgewood Rd in northeast Cedar Rapids.

Cedar County

Lowden	19	2145CST 2205CST			0	0			Heavy Rain
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1.10 inches of rain in 20 minutes from Co-op.

Van Buren County

Farmington to 1.7 SSE Farmington	19	2311CST 2316CST			0	0	2K		Thunderstorm Wind (EG52)
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Thunderstorm produced additional wind damage in Clark County Missouri. Several 6-8 inch diameter maples along with numerous smaller limbs were downed.

An upper level disturbance allowed scattered thunderstorms to develop in a near tropical atmosphere in northeast Missouri and west central Illinois. A lone storm became severe as it moved across McDonough County Illinois.

Later that night, a small line of thunderstorms developed ahead of a cold front in east central Iowa. The storms bowed slightly as they exited east central Iowa and moved into northwest Illinois. Severe reports were few but considerable localized heavy rainfall fell in a short time.

Clinton County

Grand Mound	19	2220CST			0	0			Thunderstorm Wind (EG52)
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Law enforcement estimated a thunderstorm wind gust to 60 mph.

Clinton County

Dewitt	19	2230CST			0	0			Thunderstorm Wind (EG52)
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NWS employee estimated a thunderstorm wind gust to 60 mph.



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MISSOURI, Northeast

MOZ009>010

Scotland - Clark

01	0000CST								
31	2359CST				0	0	11.7M		Drought

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Scotland County
4 NW Rutledge

18	1805CST								
					0	0	1K		Hail(0.75)

Dime to penny sized hail.

Scotland County
Gorin

18	2145CST								
					0	0	1K		Hail(0.75)

Scotland County
7 S Granger

18	2145CST								
					0	0			Thunderstorm Wind (EG52)

Spotter estimated 60 mph winds 2 miles east of South Gorin, or about 7 miles south of Granger.

Clark County
Wyaconda

18	2203CST								
					0	0	5K	3K	Hail(1.75)

Clark County
Wyaconda

18	2203CST								
					0	0	2K	1.5K	Thunderstorm Wind (EG52)

An isolated severe thunderstorm developed in a near tropical atmosphere along a frontal boundary in northeast Missouri. Outflow from this storm interacted with the frontal boundary and outflow from an approaching MCS to produce additional severe storms later that evening.

Clark County
4.5 WNW Anson

19	2305CST								
	2330CST				0	0			Heavy Rain

0.80 inches of rain in 25 minutes reported by cooperative observer.

Clark County
4.5 WNW Anson to
3.5 NW Anson

19	2315CST								
					0	0	2K	1K	Thunderstorm Wind (EG52)

Thunderstorm downburst snapped two 12 inch diameter trees off at the base; one tree each at separate farms a mile apart.

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Later that night, a small line of thunderstorms developed ahead of a cold front in east central Iowa. The storms bowed slightly as they exited east central Iowa and moved into northwest Illinois. Severe reports were few but considerable localized heavy rainfall fell in a short time.