

Year 2025

Final Issued 2026-10-21 · Baseline 1991-2020 · next update 2027-01-10

1 Key messages and climate synopsis

- Statewide mean temperature of 12.1 °C (+0.6 °C relative to 1991–2020): the 10th warmest year in the 1979–2025 series (tied with 1991, 2005, 2007).
- Statewide precipitation of 836.7 mm, 81% of normal: the 5th driest year in the 1979–2025 series.
- The highest maximum temperature at GHCN stations was 37.8 °C at Flora on 15 September.
- The largest 24-hour rainfall at GHCN stations was 152.4 mm at Shabbona 3S on 19 August.
- 2 station records were broken (stations with at least 20 years of data).
- Statewide heat waves: 6; cold waves: 4.
- U.S. Drought Monitor: 71% of the state in drought (D1–D4) on 30 December 2025 (+50 points since 31 December 2024).
- La Niña conditions of weak intensity in the equatorial Pacific (ONI OND 2025: –0.6 °C).

Source: NOAA NCEI

Mean temperature

12.1 °C

+0.6 °C vs. normal (normal 11.5)

Slightly above normal

10th warmest of 47 (1979–2025) (tied with 1991, 2005, 2007)

Maximum temperature

17.9 °C

+0.8 °C vs. normal (normal 17.1)

Slightly above normal

9th warmest of 47 (1979–2025) (tied with 2006, 2007)

Minimum temperature

6.3 °C

+0.3 °C vs. normal (normal 5.9)

Normal

13th warmest of 47 (1979–2025) (tied with 1990, 2005, 2007)

Precipitation

836.7 mm

81% of normal (normal 1034.5)

Near normal

5th driest of 47 (1979–2025)

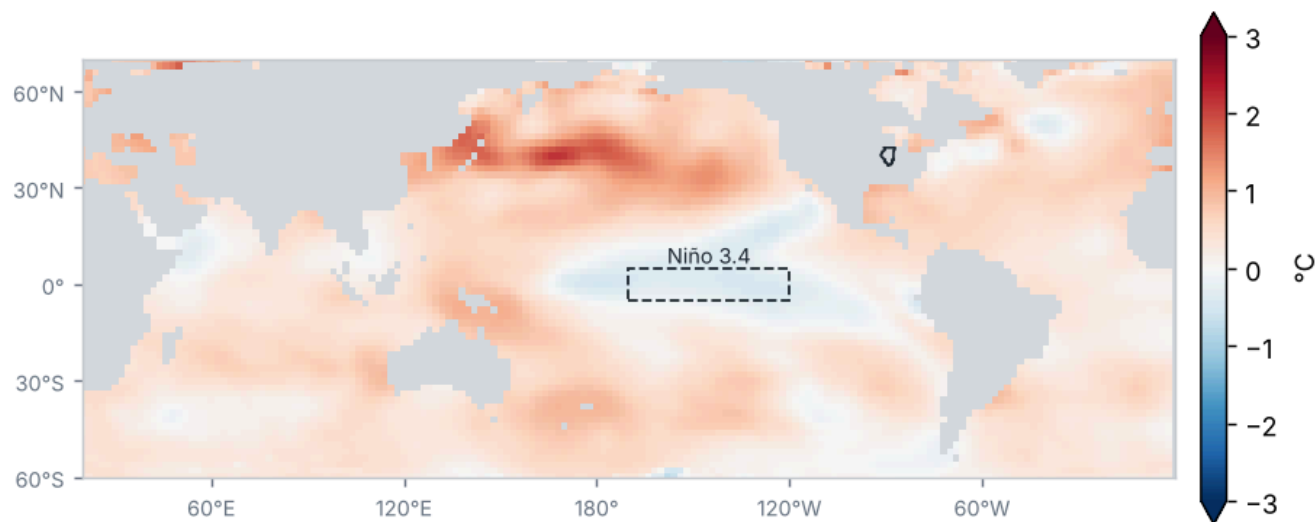
Station records

2

Source: NOAA NCEI

2 Global and regional climate drivers

Sea-surface temperature anomaly, Year 2025 (°C, 1991–2020)



Source: NOAA NCEI / PSL

Sea-surface temperature anomaly in the Niño regions (°C)

Region	Anomaly (°C)	Change from preceding period (°C)
Niño 1+2	0.2	0.3
Niño 3	-0.2	-0.5
Niño 3.4	-0.3	-0.7
Niño 4	-0.2	-0.8

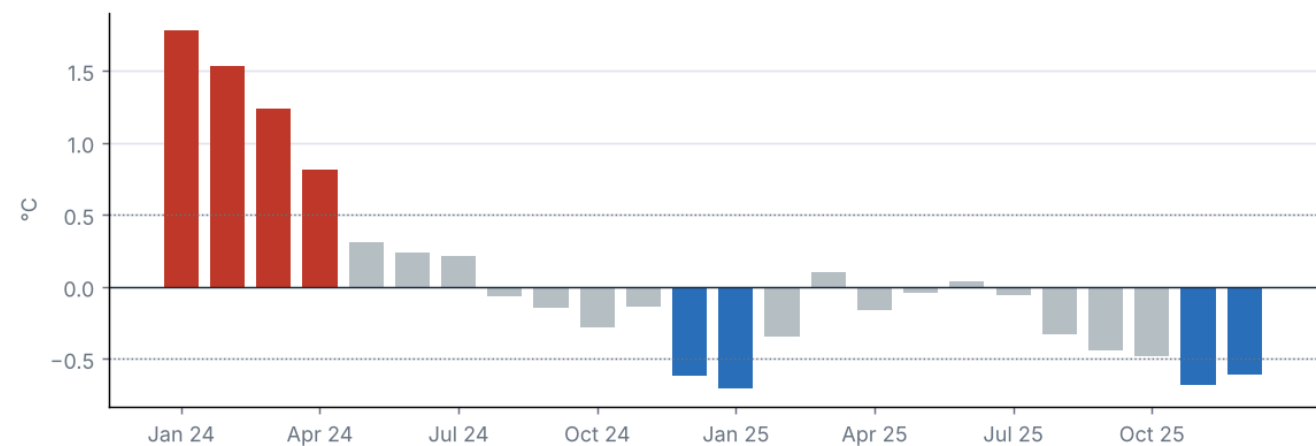
Mean of the months in the period (OISST v2.1)

Source: NOAA CPC

La Niña conditions of weak intensity: the Oceanic Niño Index (ONI) for OND 2025 was -0.6 °C.

Source: NOAA CPC

Monthly Niño 3.4 anomaly, last 24 months (°C)



Source: NOAA CPC

Teleconnection indices

Index	Value	Phase
NAO	0.0	Neutral
AO	0.2	Neutral
PDO	-2.0	Negative

North Atlantic Oscillation (NAO); Arctic Oscillation (AO); Pacific Decadal Oscillation (PDO).

Source: NOAA CPC, NOAA NCEI

The Niño 3.4 anomaly was -0.31 °C (-0.71 °C relative to the preceding period).

Other indices: NAO +0.02 (neutral phase); AO +0.20 (neutral phase); PDO -1.99 (negative phase).

3 Precipitation

Statewide precipitation

836.7 mm

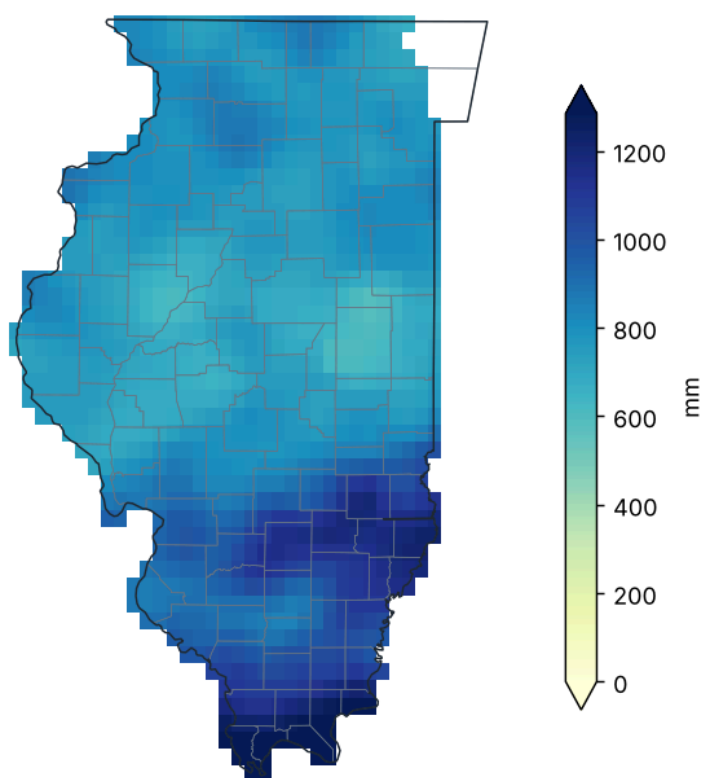
81% of normal (normal
1034.5)

Near normal

5th driest of 47 (1979–2025)

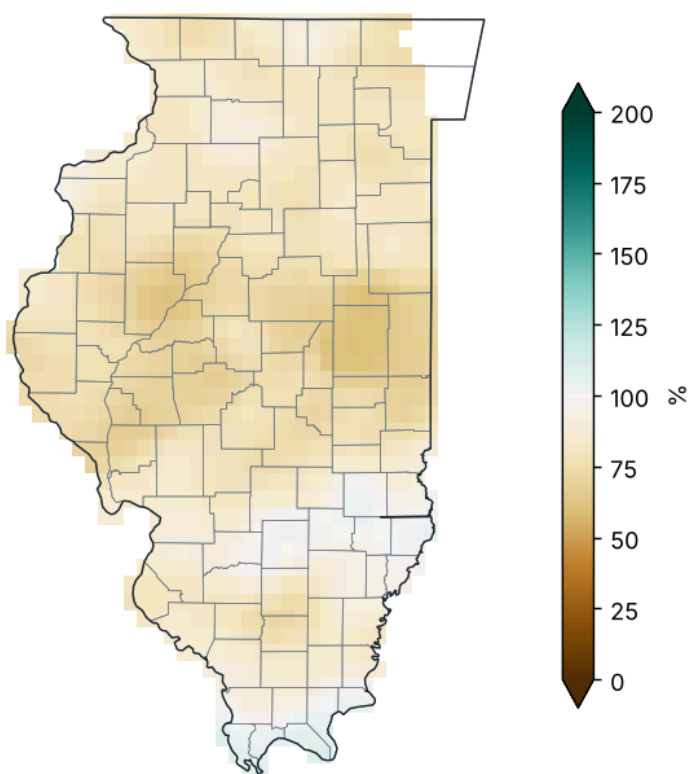
Source: NOAA NCEI

Accumulated precipitation



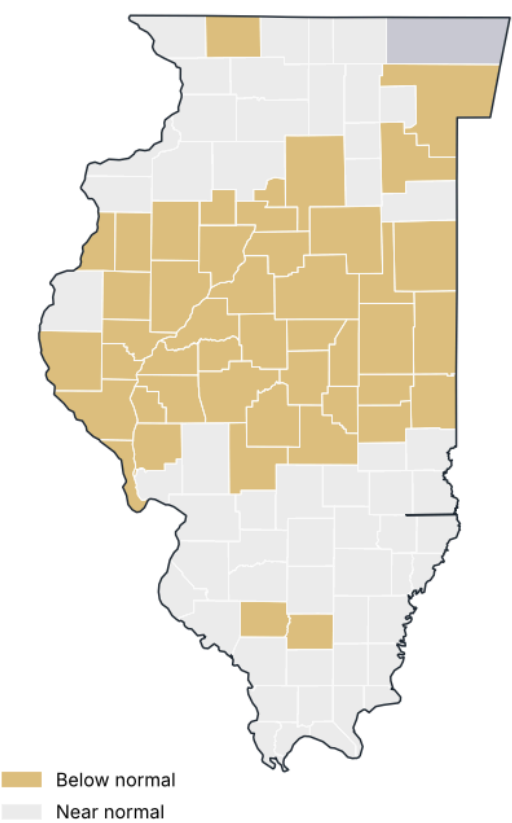
Source: NOAA NCEI

Percent of normal precipitation (1991–2020)



Source: NOAA NCEI

Percent of normal by county



Source: NOAA NCEI

Precipitation by region

Region	Total (mm)	Normal (mm)	Difference (%)	Category
Northwest	804.7	968.8	-16.9	Near normal
Northeast	771.9	960.4	-19.6	Near normal
West	742.2	986.8	-24.8	Below normal
Central	712.5	974.3	-26.9	Below normal
East	717.9	992.8	-27.7	Below normal
West Southwest	784.2	1020.0	-23.1	Below normal
East Southeast	953.3	1103.5	-13.6	Near normal
Southwest	1022.9	1148.3	-10.9	Near normal
Southeast	1075.3	1205.6	-10.8	Near normal

Source: NOAA NCEI

Stations with the largest precipitation excess

Region	County	Station	Altitude (m)	Anomaly (%)
Southeast	Pope	Smithland L&D	109.0	18.9
Southwest	Pulaski	Olmsted L&D	114.0	15.7
East Southeast	Marion	Centralia	148.0	10.5
East Southeast	Jasper	Newton	162.0	7.7
Northwest	Rock Island	Illinois City Dam 16	168.0	6.0
East Southeast	Lawrence	Lawrenceville 2WSW	138.0	5.3

Region	County	Station	Altitude (m)	Anomaly (%)
East Southeast	Lawrence	Lawrenceville Vincennes Intl A	130.0	4.0
Southeast	Franklin	W Frankfort	131.0	3.4
East Southeast	Clay	Flora	147.0	2.5
East Southeast	Marion	Salem	168.0	2.0

Source: NOAA NCEI

Stations with the largest precipitation deficit

Region	County	Station	Altitude (m)	Anomaly (%)
East	Ford	Paxton	243.0	-59.6
East	Champaign	Champaign Urbana Willard AP	226.0	-48.7
East Southeast	Moultrie	Sullivan 3S	195.0	-42.4
East	Champaign	Rantoul	226.0	-41.5
Central	Tazewell	Mackinaw 3WSW	202.0	-41.3
East	Champaign	Champaign 3S	220.0	-40.3
East	Vermilion	Danville Sewage Plt	163.0	-39.2
East	Vermilion	Sidell 4N	205.0	-37.1
Central	De Witt	Clinton 1SSW	212.0	-36.6
East	Champaign	Fisher	220.0	-35.8

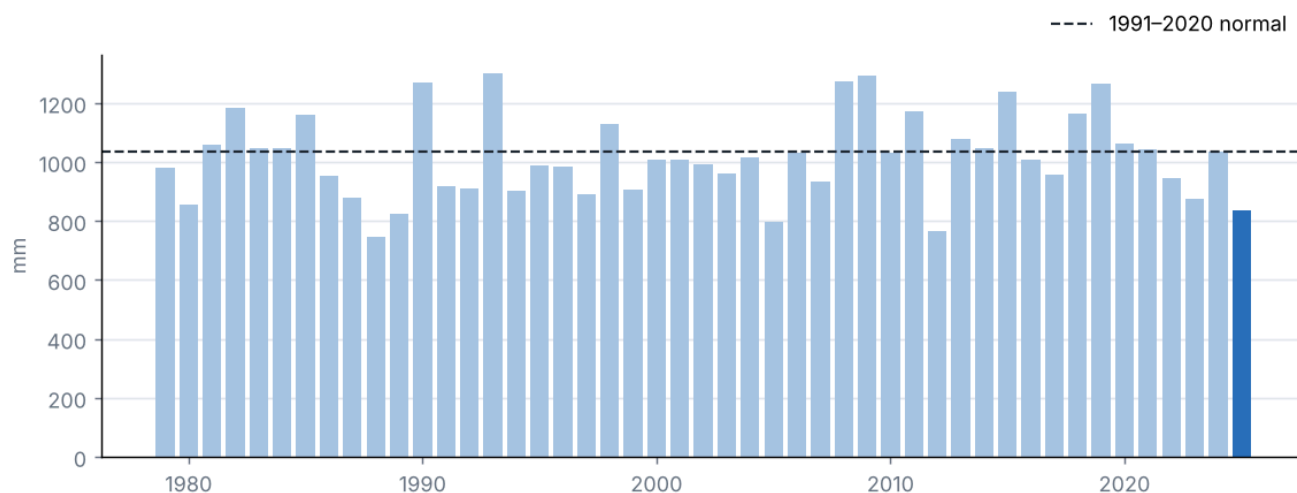
Source: NOAA NCEI

Largest 24-hour rainfall at stations

Station	County	Max 24 h rainfall (mm)	Date
Shabbona 3S	DeKalb	152.4	2025-08-19
Salem	Marion	150.1	2025-04-05
Paw Paw 2S	Lee	148.8	2025-08-19
Centralia	Marion	124.7	2025-04-05
Lawrenceville 2WSW	Lawrence	115.6	2025-04-05
Waltonville	Jefferson	113.8	2025-04-05
Newton	Jasper	112.5	2025-04-04
1 ENE Fairfield	Wayne	112.3	2025-04-05
Flora 2	Clay	111.5	2025-04-05
Kaskaskia Rvr Navigation Lock	Randolph	111.5	2025-04-05

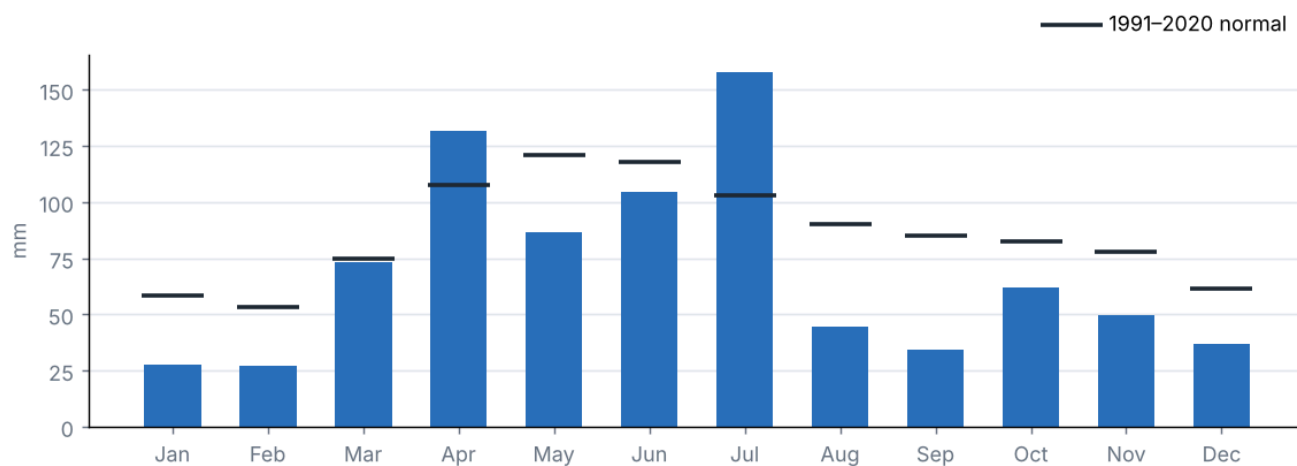
Source: NOAA NCEI

Statewide precipitation in each year



Source: NOAA NCEI

Monthly precipitation and 1991-2020 normal



Source: NOAA NCEI

Statewide accumulated precipitation was 836.7 mm, 81% of the 1991-2020 average (1034.5 mm), category "Near normal". It was the 5th driest year in the 1979-2025 series.

The region with the highest percentage of normal was Southeast (89%) and the lowest was East (72%).

Source: NOAA NCEI

4 Temperature

Mean temperature

12.1 °C

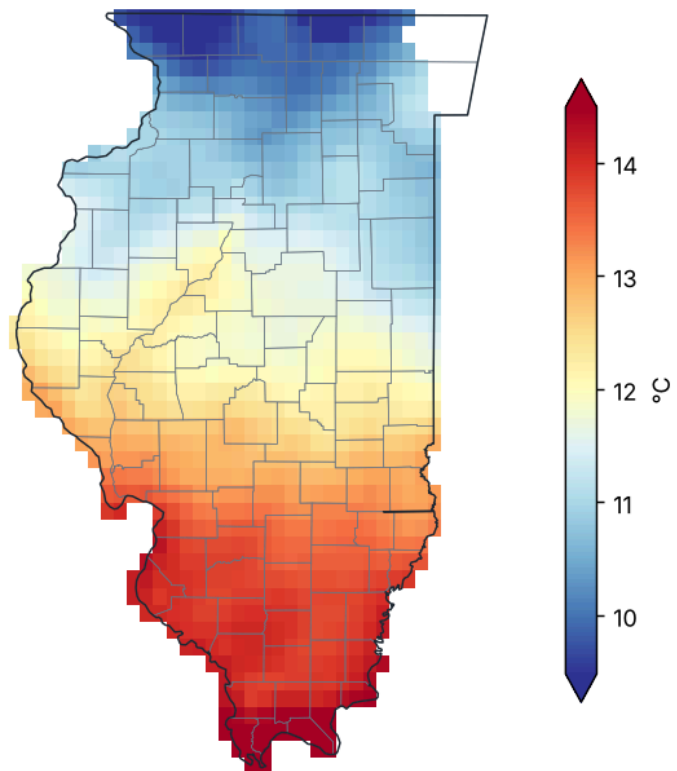
+0.6 °C vs. normal (normal
11.5)

Slightly above normal

10th warmest of 47 (1979–
2025) (tied with 1991, 2005,
2007)

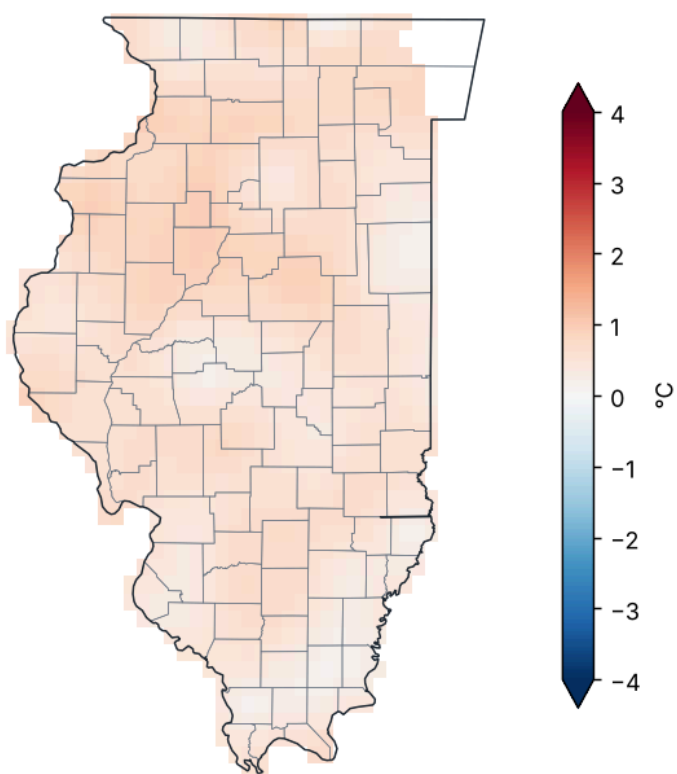
Source: NOAA NCEI

Mean temperature



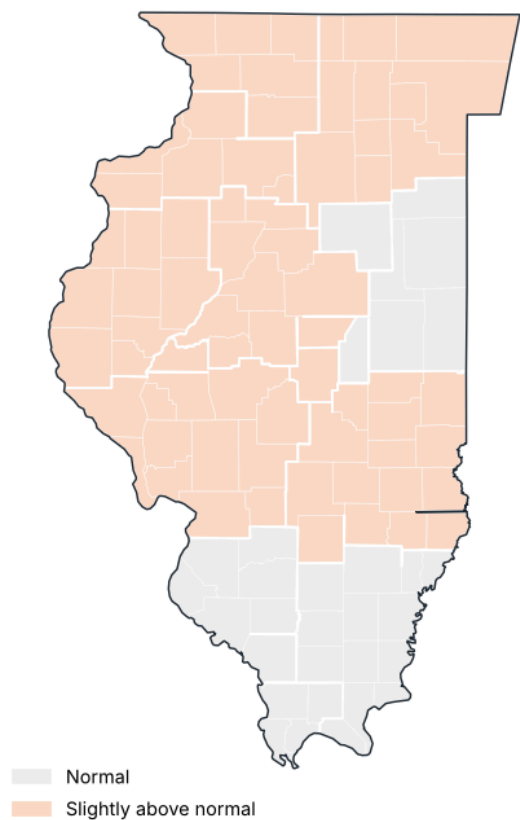
Source: NOAA NCEI

Mean temperature anomaly (1991–2020)



Source: NOAA NCEI

Mean temperature anomaly by region



Source: NOAA NCEI

Stations with the largest positive anomaly

Region	County	Station	Altitude (m)	Anomaly (°C)
West Southwest	Christian	Morrisonville	192.0	2.1
Southwest	Perry	Du Quoin 4 SE	128.0	1.9
Northwest	Whiteside	Fulton L&D #13	180.0	1.3
West Southwest	Jersey	Jerseyville 2 SW	186.0	1.2
Northwest	Mercer	Aledo	224.0	1.2
West	Warren	Monmouth 4NW	221.0	1.1
Northwest	Jo Daviess	Elizabeth	206.0	1.0
Northwest	Bureau	Walnut	213.0	1.0
West Southwest	Morgan	Jacksonville 2E	186.0	1.0
West	Henderson	Gladstone L/D 18	164.0	1.0

Source: NOAA NCEI

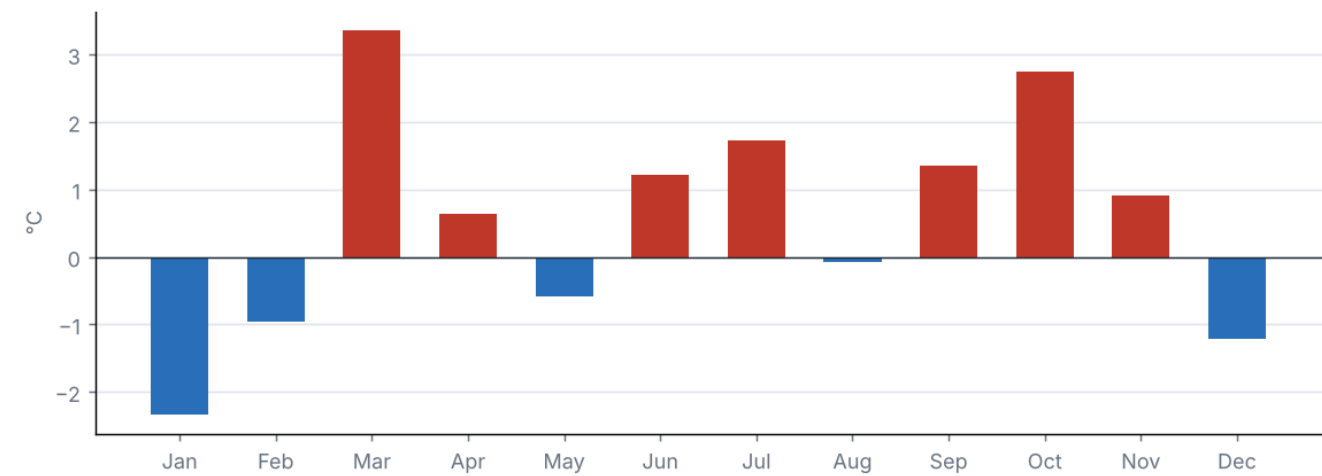
Stations with the largest negative anomaly

Region	County	Station	Altitude (m)	Anomaly (°C)
East Southeast	Lawrence	Lawrenceville 2WSW	138.0	-0.5
Northeast	LaSalle	Ottawa 4SW	166.0	-0.2
Central	Macon	Decatur Wtp	195.0	-0.2
Northwest	Jo Daviess	Stockton 3NNE	296.0	-0.1
East Southeast	Shelby	Windsor	210.0	-0.0

Region	County	Station	Altitude (m)	Anomaly (°C)
East Southeast	Douglas	Tuscola	198.0	-0.0

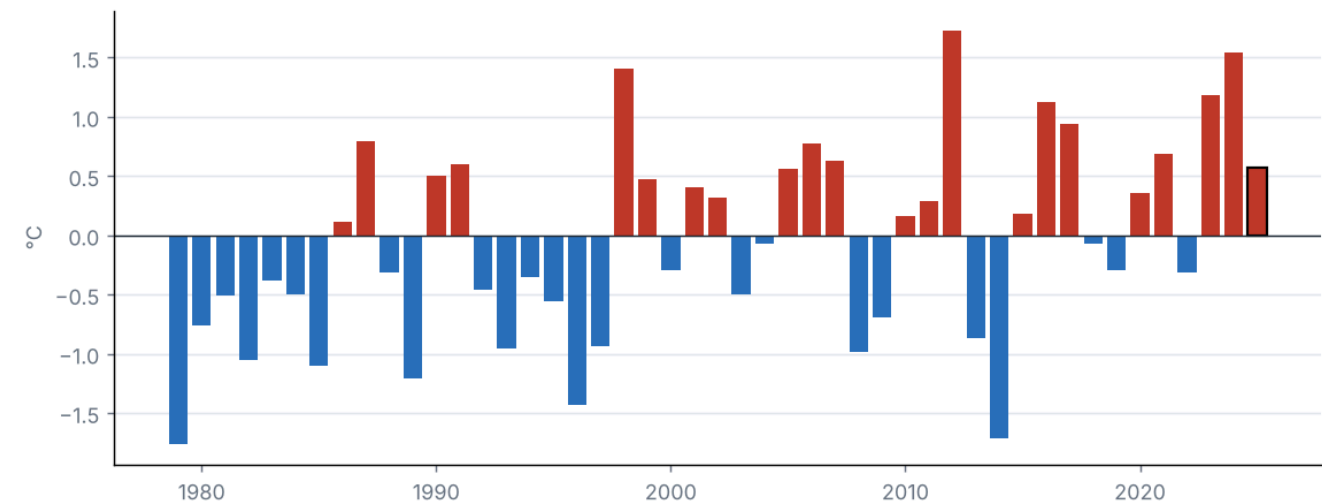
Source: NOAA NCEI

Monthly statewide mean temperature anomaly



Source: NOAA NCEI

Statewide mean temperature anomaly in each year



Source: NOAA NCEI

The statewide mean temperature was 12.1 °C, 0.6 °C above the 1991–2020 average (11.5 °C), category “Slightly above normal”. It was the 10th warmest year in the 1979–2025 series (tied with 1991, 2005, 2007).

By region, the largest anomaly was in Northwest (+0.7 °C) and the smallest in Southeast (+0.4 °C).

Source: NOAA NCEI

Maximum temperature

17.9 °C

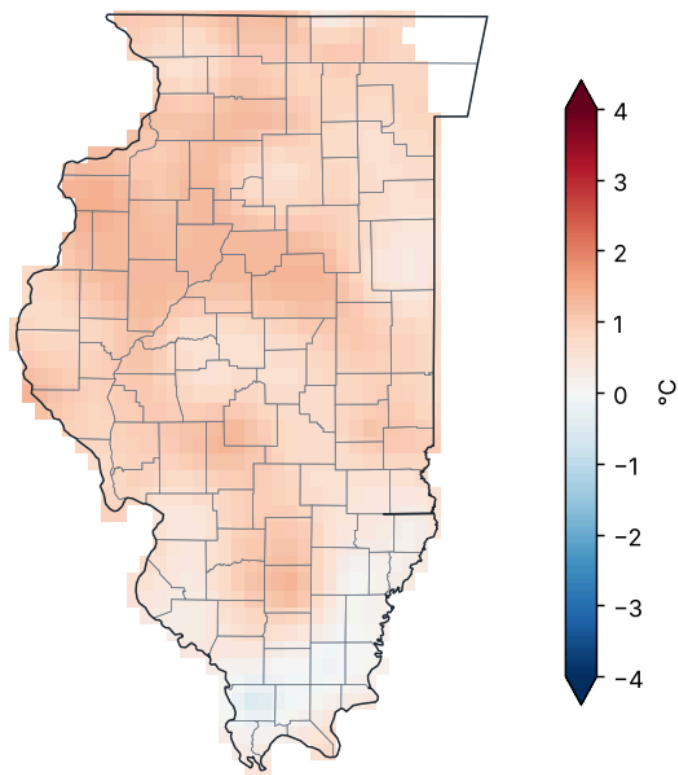
+0.8 °C vs. normal (normal 17.1)

Slightly above normal

9th warmest of 47 (1979–2025) (tied with 2006, 2007)

Source: NOAA NCEI

Maximum temperature anomaly (1991–2020)



Source: NOAA NCEI

Lowest and highest monthly mean maximum temperature by region

Region	Lowest value (°C)	Station	Highest value (°C)	Station
Northwest	15.1	Stockton 3NNE	17.4	Hennepin
Northeast	14.4	Chicago Northerly Is	17.4	Joliet
West	16.7	Galesburg	18.7	Quincy Dam 21
Central	17.1	Decatur Wtp	18.6	Decatur AP
East	16.5	Dwight Wwtp	18.7	Sidell 4N
West Southwest	18.0	Springfield Abraham Lincoln Ca	19.7	Hillsboro
East Southeast	17.5	Tuscola	19.9	Flora
Southwest	19.2	Carlyle Rsvr	21.2	Cairo 3N

Region	Lowest value (°C)	Station	Highest value (°C)	Station
Southeast	18.7	Harrisburg	21.2	Dixon Springs Agric Ctr

Station monthly means (GHCN-Daily, ≥ 80% of days with data).

Source: NOAA NCEI

The statewide maximum temperature was 17.9 °C, 0.8 °C above the 1991–2020 average (17.1 °C), category “Slightly above normal”. It was the 9th warmest year in the 1979–2025 series (tied with 2006, 2007).

By region, the largest anomaly was in West (+1.1 °C) and the smallest in Southeast (+0.3 °C).

Source: NOAA NCEI

Minimum temperature

6.3 °C

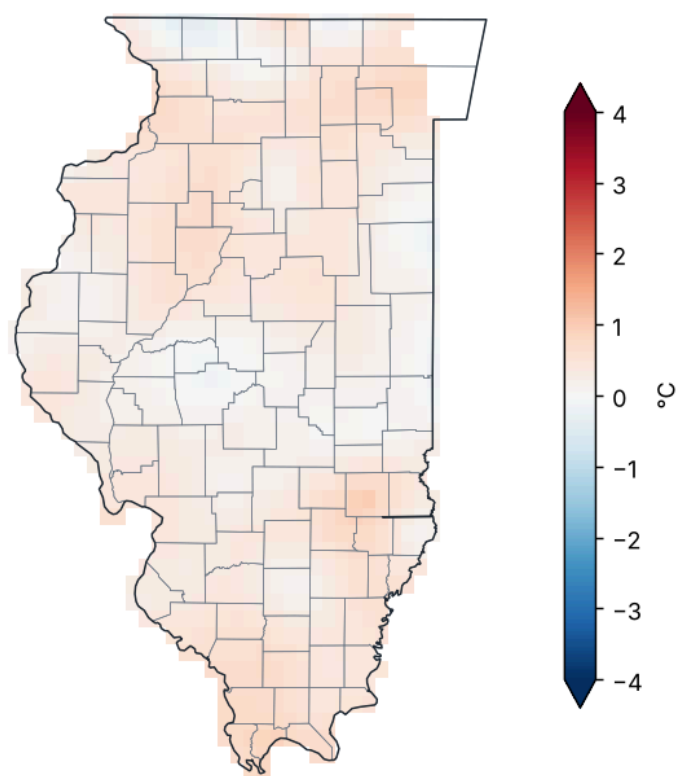
+0.3 °C vs. normal (normal 5.9)

Normal

13th warmest of 47 (1979–2025) (tied with 1990, 2005, 2007)

Source: NOAA NCEI

Minimum temperature anomaly (1991–2020)



Source: NOAA NCEI

Lowest and highest monthly mean minimum temperature by region

Region	Lowest value (°C)	Station	Highest value (°C)	Station
Northwest	2.8	Stockton 3NNE	6.1	Rock Is L&D 15
Northeast	3.3	Shabbona 5 NNE	7.5	Chicago Midway AP
West	4.3	Avon	7.2	Quincy Dam 21
Central	4.6	Congerville 2NW	6.9	Decatur AP
East	4.4	Dwight Wwtp	6.9	Sidell 4N
West Southwest	6.0	Jacksonville 2E	8.0	Alton - Melvin Price L&D
East Southeast	5.2	Casey	8.3	Newton
Southwest	7.8	Carbondale Sewage Plt	11.0	Cairo 3N
Southeast	6.6	Harrisburg	9.2	Dixon Springs Agric Ctr

Station monthly means (GHCN-Daily, $\geq 80\%$ of days with data).

Source: NOAA NCEI

The statewide minimum temperature was 6.3 °C, 0.3 °C above the 1991–2020 average (5.9 °C), category “Normal”. It was the 13th warmest year in the 1979–2025 series (tied with 1990, 2005, 2007).

By region, the largest anomaly was in Southwest (+0.5 °C) and the smallest in East (+0.2 °C).

Source: NOAA NCEI

5 Climate extremes and records

Highest maximum temperature

37.8 °C

Flora · 2025-09-15

Lowest minimum temperature

-28.8 °C

Springfield Abraham Lincoln Ca · 2025-01-21

Highest 24 h rainfall

152.4 mm

Shabbona 3S · 2025-08-19

Source: NOAA NCEI

Highest maximum temperature by county

County	Station	Temperature (°C)	Date
Champaign	Ogden	37.8	2025-08-17
Christian	Morrisonville	37.8	2025-09-15
Clay	Flora	37.8	2025-09-15
Coles	Charleston	37.2	2025-09-14
Franklin	Rend Lake Dam	37.2	2025-08-16
Jefferson	Mt Vernon 3 NE	37.2	2025-08-16
Macon	Decatur AP	37.2	2025-09-14
Madison	Alton - Melvin Price L&D	37.2	2025-09-14
Marion	Salem	37.2	2025-09-15
Mercer	New Boston Dam 17	37.2	2025-09-15
Rock Island	Rock Is L&D 15	37.2	2025-08-15
St. Clair	Belleville Siu Rsch	37.0	2025-09-14
Clinton	Carlyle Rsvr	36.7	2025-09-15
Hancock	Bentley	36.7	2025-09-14
Henderson	Gladstone L/D 18	36.7	2025-09-15
Jackson	Carbondale Sthrn Illinois AP	36.7	2025-08-19
Jersey	Jerseyville 2 SW	36.7	2025-09-15
Lawrence	Lawrenceville Vincennes Intl A	36.7	2025-06-23
Menard	Petersburg 1E	36.7	2025-06-27
Montgomery	Hillsboro	36.7	2025-09-15

The 20 most extreme of 69.

Source: NOAA NCEI

Lowest minimum temperature by county

County	Station	Temperature (°C)	Date
Sangamon	Springfield Abraham Lincoln Ca	-28.8	2025-01-21
Champaign	Champaign 9 SW	-26.7	2025-12-14
Jo Daviess	Elizabeth	-26.7	2025-01-25
Bureau	Walnut	-26.1	2025-01-21
McHenry	Mchenry Stratton Lock/Dam	-26.1	2025-02-18
Carroll	Mt Carroll	-25.6	2025-02-18
Kane	Chicago Aurora Muni AP	-25.6	2025-12-04
Lee	Paw Paw 2S	-25.6	2025-01-21

County	Station	Temperature (°C)	Date
Macon	Decatur AP	−25.6	2025-12-14
Warren	Monmouth 4NW	−25.6	2025-01-21
Whiteside	Morrison	−25.6	2025-01-21
DeKalb	De Kalb	−25.0	2025-01-22
Douglas	Tuscola	−25.0	2025-12-15
Fulton	Avon	−25.0	2025-01-21
Knox	Galesburg	−25.0	2025-01-22
Logan	Lincoln	−25.0	2025-12-14
Mercer	Aledo	−25.0	2025-01-22
Stephenson	Freeport Wwtp	−25.0	2025-01-21
Woodford	Minonk	−25.0	2025-01-20
Hancock	La Harpe	−24.4	2025-01-21

The 20 most extreme of 69.

Source: NOAA NCEI

Station records broken

Station	County	Variable	New value	Date	Previous record	Previous date
Lawrenceville 2WSW	Lawrence	Highest 24 h rainfall	115.6	2025-04-05	109.7	1995-05-18
Shabbona 3S	DeKalb	Highest 24 h rainfall	152.4	2025-08-19	143.5	2008-09-13

Most extreme daily value of the period against the same period in all earlier years of record (at least 20 years; for weeks, the same calendar month).

Source: NOAA NCEI

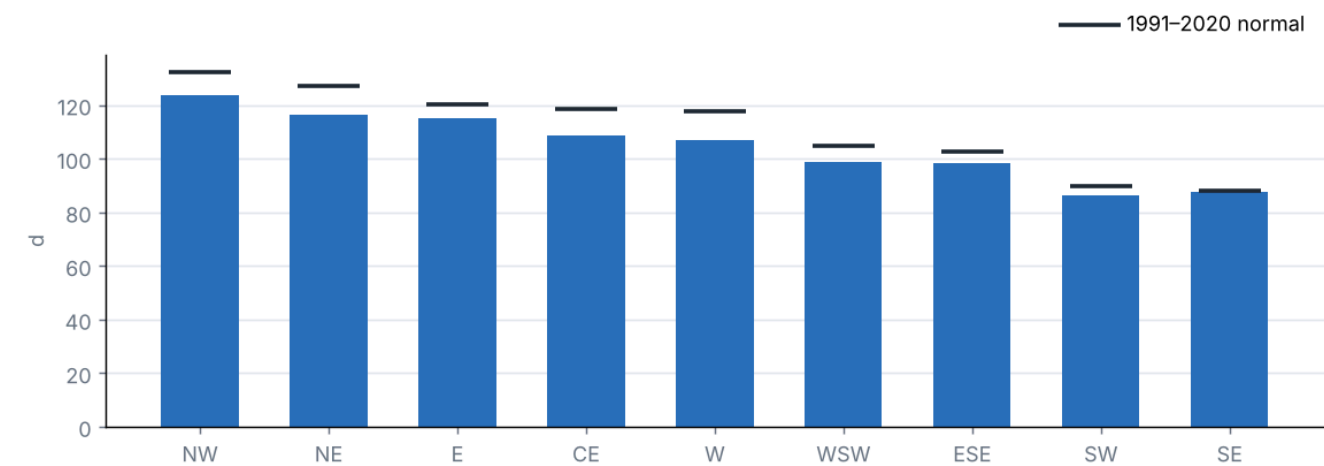
Climate-extremes indices (statewide mean)

Index	Description	Value	Normal	Difference	Unit
TX90p	Warm days (Tmax > 90th percentile)	15.2	10.0	5.2	%
TN90p	Warm nights (Tmin > 90th percentile)	12.5	10.0	2.5	%
TX10p	Cool days (Tmax < 10th percentile)	8.6	10.0	−1.4	%
TN10p	Cold nights (Tmin < 10th percentile)	9.8	10.0	−0.2	%
FD	Frost days (Tmin < 0 °C)	105.4	112.2	−6.7	d
SU	Summer days (Tmax > 25 °C)	135.8	122.1	13.6	d
TR	Tropical nights (Tmin > 20 °C)	38.5	24.7	13.8	d
WSDI	Warm spell days (≥ 6 days)	17.3	—	—	d
CSDI	Cold spell days (≥ 6 days)	10.5	—	—	d
Rx1day	Maximum 1-day precipitation	57.6	59.9	−2.3	mm
Rx5day	Maximum 5-day precipitation	100.2	103.9	−3.7	mm
CDD	Consecutive dry days (< 1 mm)	19.3	19.0	0.2	d
CWD	Consecutive wet days (≥ 1 mm)	5.7	6.3	−0.6	d

Percentile indices relative to calendar-day percentiles of 1991–2020 (5-day window); counts and maxima averaged over the state's grid cells.

Source: NOAA NCEI

Frost days by region



Source: NOAA NCEI

Heat and cold waves

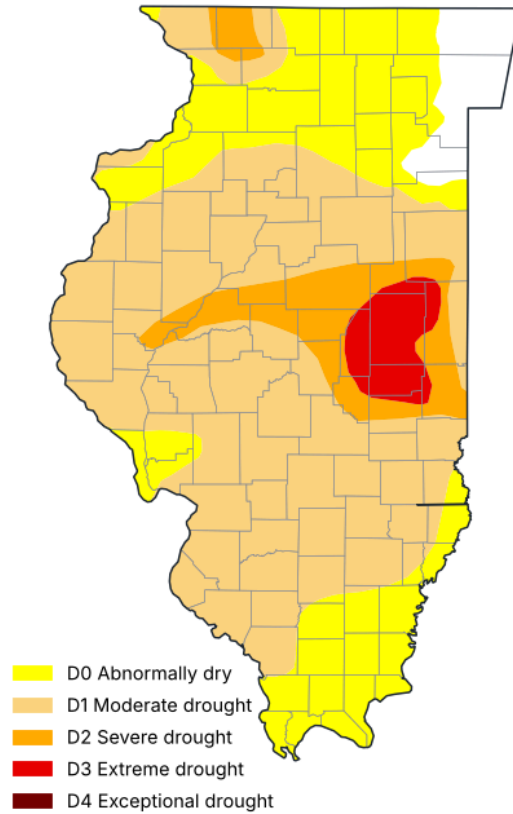
Dates	Type	Details
2025-01-20 – 2025-01-22	Cold wave	Up to 100% of the state below the 10th percentile of Tmin. Regions: Northwest, Northeast, West, Central, East, West Southwest, East Southeast, Southwest and Southeast.
2025-02-18 – 2025-02-22	Cold wave	Up to 100% of the state below the 10th percentile of Tmin. Regions: Northwest, Northeast, West, Central, East, West Southwest, East Southeast, Southwest and Southeast.
2025-03-11 – 2025-03-15	Heat wave	Up to 100% of the state above the 90th percentile of Tmax. Regions: Northwest, Northeast, West, Central, East, West Southwest, East Southeast, Southwest and Southeast.
2025-06-22 – 2025-06-27	Heat wave	Up to 93% of the state above the 90th percentile of Tmax. Regions: Northwest, Northeast, West, Central, East, West Southwest, East Southeast and Southeast.
2025-08-16 – 2025-08-19	Heat wave	Up to 100% of the state above the 90th percentile of Tmax. Regions: Northwest, Northeast, West, Central, East, West Southwest, East Southeast, Southwest and Southeast.
2025-08-25 – 2025-08-29	Cold wave	Up to 100% of the state below the 10th percentile of Tmin. Regions: Northwest, Northeast, West, Central, East, West Southwest, East Southeast, Southwest and Southeast.
2025-09-04 – 2025-09-09	Cold wave	Up to 100% of the state below the 10th percentile of Tmin. Regions: Northwest, Northeast, West, Central, East, West Southwest, East Southeast, Southwest and Southeast.
2025-09-14 – 2025-09-19	Heat wave	Up to 94% of the state above the 90th percentile of Tmax. Regions: Northwest, Northeast, West, Central, East, West Southwest, East Southeast, Southwest and Southeast.
2025-09-28 – 2025-10-07	Heat wave	Up to 100% of the state above the 90th percentile of Tmax. Regions: Northwest, Northeast, West, Central, East, West Southwest, East Southeast, Southwest and Southeast.
2025-12-24 – 2025-12-29	Heat wave	Up to 100% of the state above the 90th percentile of Tmax. Regions: Northwest, Northeast, West, Central, East, West Southwest, East Southeast, Southwest and Southeast.

Wave: at least 3 consecutive days with at least half of the state above the 90th percentile of maximum temperature (heat) or below the 10th percentile of minimum temperature (cold). At most the 10 most intense are listed.

Source: NOAA NCEI

6 Drought

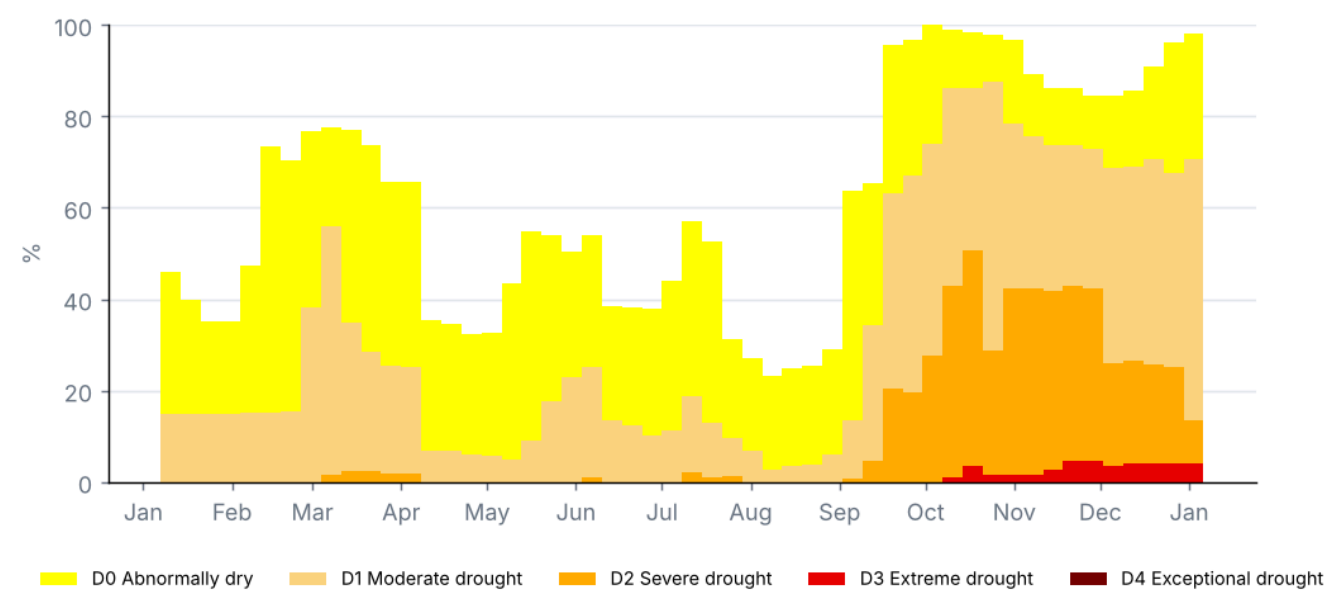
U.S. Drought Monitor, 30 December 2025



Map valid from 30 December 2025. The U.S. Drought Monitor is jointly produced by the National Drought Mitigation Center at the University of Nebraska-Lincoln, the USDA and NOAA. Map courtesy of NDMC.

Source: National Drought Mitigation Center, USDA, NOAA

Share of the state by drought category, weekly U.S. Drought Monitor maps (%)



Source: National Drought Mitigation Center, USDA, NOAA

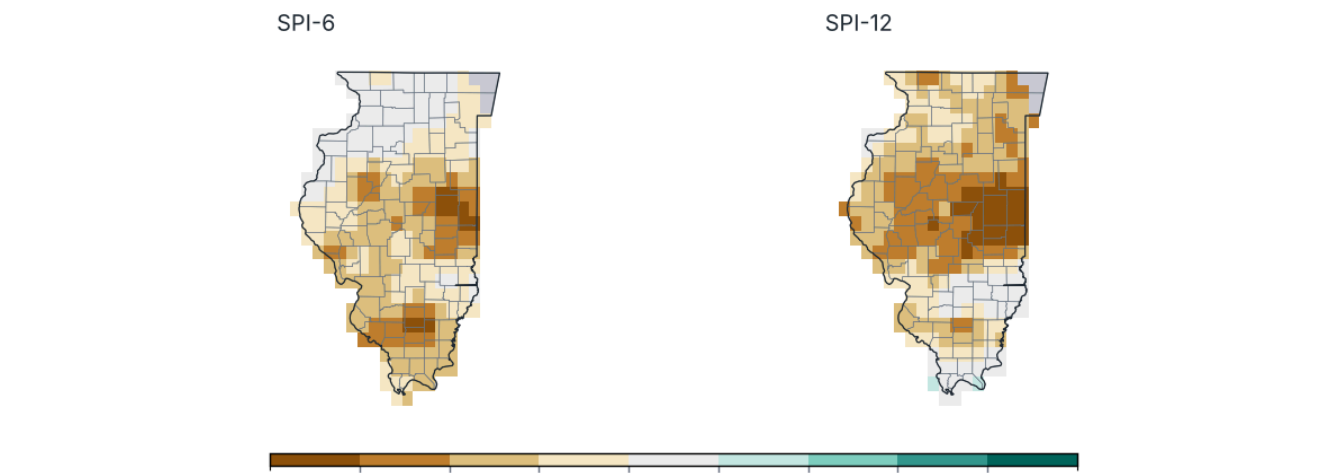
Counties with the most severe drought, U.S. Drought Monitor of 30 December 2025 (% of the county)

County	D0-D4 (%)	D1-D4 (%)	D2-D4 (%)	D3-D4 (%)	D4 (%)
Douglas	100.0	100.0	100.0	100.0	0.0
Champaign	100.0	100.0	100.0	94.8	0.0
Piatt	100.0	100.0	100.0	84.7	0.0
Ford	100.0	100.0	69.7	25.0	0.0
Vermilion	100.0	100.0	60.3	19.3	0.0
Coles	100.0	100.0	65.7	17.7	0.0
Moultrie	100.0	100.0	94.5	15.3	0.0
Edgar	100.0	100.0	88.1	10.5	0.0
Iroquois	100.0	100.0	24.2	2.5	0.0
McLean	100.0	100.0	72.9	1.4	0.0

Cumulative shares: D1-D4 is the share in moderate drought or worse.

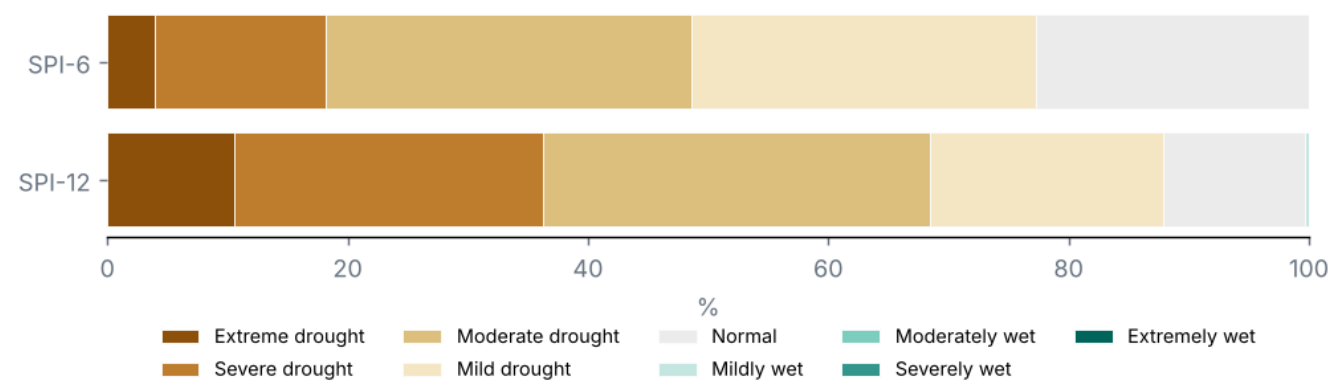
Source: National Drought Mitigation Center, USDA, NOAA

Standardized Precipitation Index (SPI) ending December 2025



SPI computed from NCLIMGRID; gamma distribution fitted to 1991–2020 accumulations.
Source: NOAA NCEI

Share of the state by SPI category



Source: NOAA NCEI

Counties with the lowest SPI-12

County	SPI-6	SPI-12	Category
Champaign	-2.1	-3.0	Extreme drought
Vermilion	-2.0	-2.8	Extreme drought
Piatt	-1.6	-2.6	Extreme drought
Douglas	-1.7	-2.5	Extreme drought
De Witt	-1.5	-2.4	Extreme drought
Ford	-1.7	-2.3	Extreme drought
Edgar	-1.7	-2.3	Extreme drought
Moultrie	-1.4	-2.2	Extreme drought
McLean	-1.4	-2.0	Severe drought
Sangamon	-1.3	-1.9	Severe drought

Source: NOAA NCEI

U.S. Drought Monitor, map of 30 December 2025: 71% of the state in drought (D1–D4), 14% in severe drought or worse (D2–D4) and 4% in extreme or exceptional drought (D3–D4); 98% was abnormally dry or in drought (D0–D4).

On the map of 31 December 2024, 20% of the state was in drought: a change of +50 points over the period.

Counties with the largest share in severe drought or worse (D2–D4): Douglas (100%), Champaign (100%) and Piatt (100%).

SPI-12 (Jan–Dec 2025): statewide mean -1.28 ; 69% of the state in drought ($SPI \leq -1.0$) and 36% in severe or extreme drought.

Most affected counties: Champaign (-3.00), Vermilion (-2.84) and Piatt (-2.65).

SPI-6 (Jul–Dec 2025): 49% of the state in drought.

7 Severe weather and notable events

Notable events

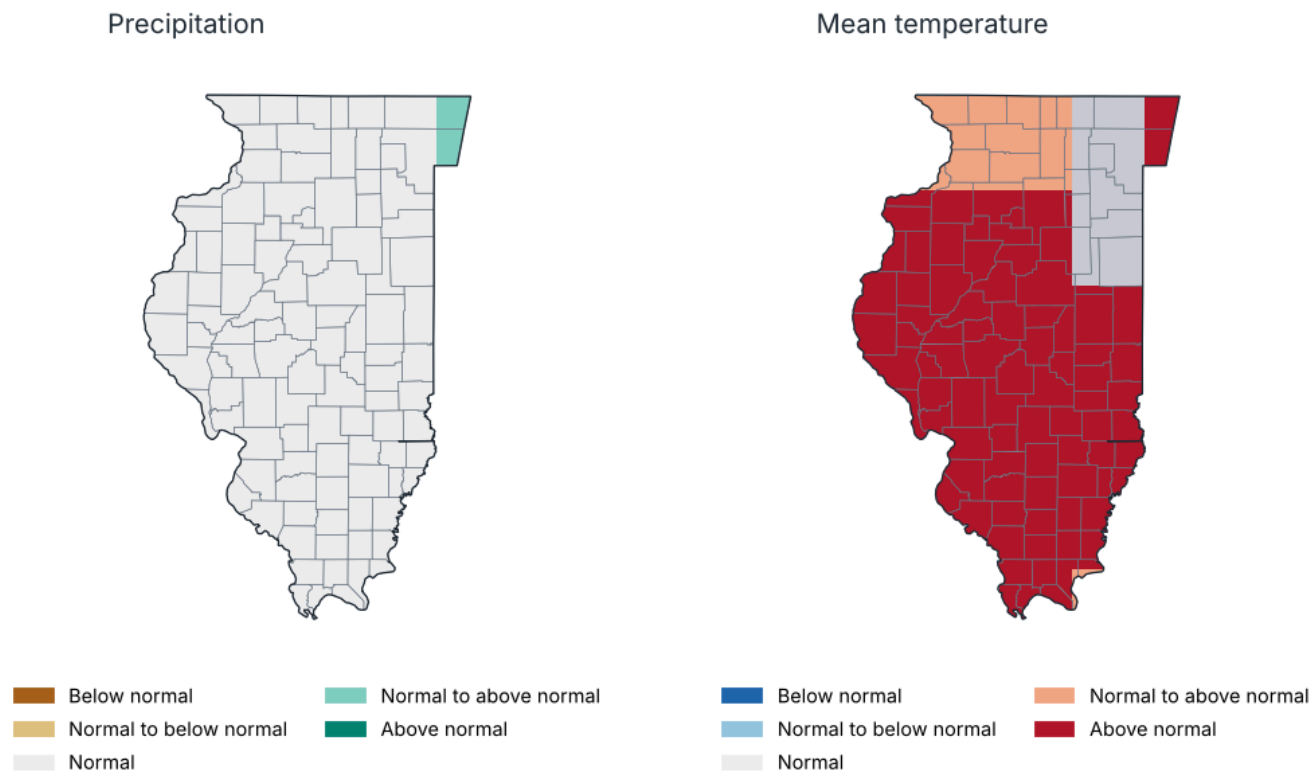
Dates	Type	Area	Details
2025-04-05	Heavy rain	Salem	150.1 mm in 24 hours.
2025-08-19	Heavy rain	Shabbona 3S	152.4 mm in 24 hours.

GDACS alerts and station rainfall of 150 mm or more in 24 hours (after quality control).

Source: GDACS, NOAA NCEI

9 Outlook

Outlook for Jan–Mar 2026: most likely tercile



Source: NOAA CPC

Probability of each tercile by region, Jan–Mar 2026 (%)

Region	Precipitation: below	Precipitation: normal	Precipitation: above	Temp.: below	Temp.: normal	Temp.: above
Northwest	32.0	32.0	35.0	23.0	28.0	49.0
Northeast	32.0	32.0	36.0	22.0	27.0	50.0
West	32.0	35.0	34.0	22.0	23.0	54.0
Central	31.0	34.0	35.0	23.0	22.0	56.0
East	29.0	35.0	36.0	22.0	25.0	53.0
West Southwest	31.0	34.0	35.0	23.0	24.0	53.0
East Southeast	27.0	37.0	36.0	21.0	27.0	52.0
Southwest	28.0	36.0	36.0	21.0	27.0	52.0
Southeast	27.0	38.0	35.0	20.0	29.0	51.0

Source: NOAA CPC

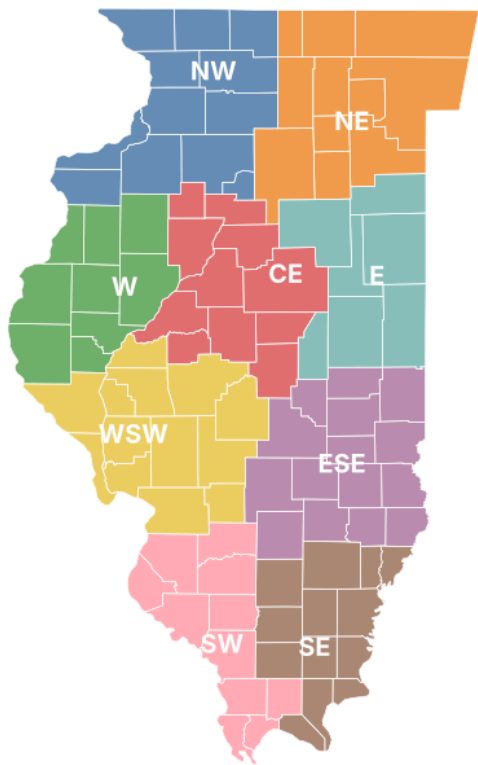
Probabilistic outlook from the North American Multi-Model Ensemble (NMME), initialised in January 2026, relative to 1991–2020 terciles. It is not an official forecast: consult the National Weather Service and NOAA's Climate Prediction Center.

Precipitation, Jan–Mar 2026: above normal is favoured over 2% of the state and below normal over 0%.

Mean temperature, Jan–Mar 2026: above normal is favoured over 100% of the state and below normal over 0%.

10 Annexes

Report climate regions



Monthly precipitation by region (mm)

Region	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Northwest	16.2	18.4	70.4	67.8	74.0	100.5	213.8	88.2	17.6	47.4	49.2	41.2
Northeast	18.2	20.0	85.5	70.6	55.7	89.7	142.5	98.1	33.3	53.3	53.4	51.5
West	15.5	8.5	67.8	73.3	90.5	106.7	200.5	25.9	27.0	38.8	42.2	45.3
Central	21.2	10.6	71.1	84.0	76.7	103.8	160.0	38.2	20.2	41.0	43.1	42.6
East	19.0	12.1	85.4	88.9	75.5	101.4	127.2	50.4	30.3	42.1	43.3	42.4
West Southwest	28.5	14.6	71.4	141.2	91.5	90.5	171.1	17.9	30.8	55.4	50.2	21.0
East Southeast	33.1	32.9	78.4	206.5	95.8	104.6	161.1	25.2	42.3	80.7	58.0	34.8
Southwest	53.5	65.1	60.1	239.4	109.4	125.5	111.2	22.0	49.9	110.8	53.9	22.2
Southeast	52.0	80.0	65.5	241.9	122.7	134.5	103.0	25.3	69.3	102.0	51.1	28.0

CSV

Source: NOAA NCEI

Monthly maximum temperature by region (°C)

Region	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Northwest	-1.3	0.4	13.1	16.6	22.1	28.6	29.6	27.4	26.8	20.5	9.9	0.6
Northeast	-1.4	1.1	12.7	16.0	20.7	28.5	29.9	27.8	26.1	19.7	9.7	1.0
West	-0.4	2.6	15.6	18.5	22.8	28.7	30.5	28.7	28.0	22.0	11.8	3.0
Central	-0.7	3.4	15.3	18.4	23.2	29.0	30.8	28.7	28.4	21.8	11.6	2.9
East	-1.2	3.1	14.5	17.7	22.3	29.2	30.7	28.4	27.8	21.3	11.0	2.5
West Southwest	0.3	4.3	17.0	19.3	23.1	29.1	31.5	29.5	28.8	22.7	13.1	5.3
East Southeast	0.3	4.7	16.3	19.2	22.8	29.3	31.7	29.3	28.8	22.4	12.7	5.1
Southwest	2.3	5.9	18.0	20.5	23.1	29.4	32.1	30.4	29.0	22.9	14.2	7.7
Southeast	2.3	6.2	17.7	20.2	23.0	29.3	32.1	30.3	28.9	22.4	13.9	7.3

CSV

Source: NOAA NCEI

Monthly mean temperature by region (°C)

Region	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Northwest	-6.7	-4.3	6.6	10.3	15.5	22.6	24.3	21.7	19.5	14.2	4.8	-4.4
Northeast	-6.2	-3.4	6.5	10.0	14.6	22.4	24.6	22.1	19.5	14.0	5.0	-3.8
West	-5.5	-2.3	8.4	12.1	16.5	23.1	25.3	22.7	20.6	15.7	6.2	-2.1
Central	-5.6	-1.6	8.3	12.0	16.7	23.3	25.5	22.6	20.4	15.2	6.0	-2.2
East	-6.1	-1.8	7.8	11.3	16.1	23.2	25.3	22.3	20.1	14.5	5.5	-2.6
West Southwest	-4.5	-0.8	9.7	12.9	17.2	23.8	26.3	23.5	21.2	16.2	7.5	-0.1
East Southeast	-4.4	-0.1	9.4	12.9	17.2	24.0	26.6	23.2	21.2	15.7	7.4	0.2
Southwest	-2.5	1.0	11.0	14.6	18.0	24.6	27.2	24.2	22.0	16.5	8.7	2.5
Southeast	-2.5	1.2	10.8	14.3	17.9	24.5	27.1	24.1	21.8	16.1	8.6	2.6

CSV

Source: NOAA NCEI

Monthly minimum temperature by region (°C)

Region	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Northwest	-12.0	-9.1	0.2	3.9	8.9	16.5	19.0	15.9	12.2	7.9	-0.4	-9.4
Northeast	-10.9	-7.9	0.3	4.0	8.4	16.3	19.3	16.5	12.8	8.2	0.2	-8.5
West	-10.5	-7.3	1.2	5.7	10.2	17.4	20.2	16.7	13.2	9.4	0.7	-7.2
Central	-10.5	-6.7	1.3	5.6	10.2	17.6	20.2	16.5	12.4	8.6	0.4	-7.4
East	-10.9	-6.8	1.1	4.9	9.9	17.2	19.9	16.2	12.4	7.8	0.0	-7.6
West Southwest	-9.4	-5.9	2.4	6.5	11.3	18.4	21.1	17.5	13.6	9.7	1.8	-5.5
East Southeast	-9.1	-4.9	2.6	6.7	11.6	18.7	21.5	17.2	13.6	9.0	2.0	-4.6
Southwest	-7.4	-4.0	3.9	8.7	13.0	19.8	22.3	17.9	14.9	10.2	3.2	-2.8
Southeast	-7.4	-3.7	3.9	8.4	12.9	19.6	22.2	17.9	14.7	9.7	3.3	-2.0

CSV

Source: NOAA NCEI

Stations used

Id	Name	County	Latitude	Longitude	Altitude (m)	Days with data (Tmax) (%)
USC00110072	Aledo	Mercer	41.2	-90.7	223.7	99.0
USC00110082	Alexis 1 SW	Warren	41.1	-90.6	204.8	0.0

Id	Name	County	Latitude	Longitude	Altitude (m)	Days with data (Tmax) (%)
USC00110137	Alton - Melvin Price L&D	Madison	38.9	-90.1	123.4	83.0
USC00110140	Altona	Knox	41.1	-90.2	233.2	0.0
USC00110146	Amboy Water	Lee	41.7	-89.3	230.1	0.0
USC00110187	Anna 4 N	Union	37.5	-89.2	180.7	99.0
USC00110251	Arthur 1W	Moultrie	39.7	-88.5	204.2	0.0
USC00110306	Athens 4SW	Menard	39.9	-89.8	181.1	0.0
USC00110330	Augusta	Hancock	40.2	-90.9	203.6	0.0
USC00110338	Aurora Water	Kane	41.8	-88.3	205.7	100.0
USC00110356	Avon	Fulton	40.7	-90.4	195.1	99.0
USC00110442	Barrington 3SW	Cook	42.1	-88.2	269.1	99.0
USC00110500	Beecher City	Effingham	39.2	-88.8	185.3	0.0
USC00110583	Belvidere Wwtp	Boone	42.3	-88.9	229.5	0.0
USC00110598	Bentley	Hancock	40.3	-91.1	198.1	99.0
USC00110761	Bloomington Wtr Wks	McLean	40.5	-89.0	233.5	0.0
USC00110803	Bourbonnais 3NW	Kankakee	41.2	-87.9	200.6	0.0
USC00111083	Buffalo 3NNE	Sangamon	39.9	-89.4	187.1	0.0
USC00111250	Canton	Fulton	40.5	-90.0	195.1	0.0
USC00111265	Carbondale Sewage Plt	Jackson	37.7	-89.2	118.9	93.0
USC00111290	Carlyle Rsvr	Clinton	38.6	-89.4	152.7	100.0
USC00111329	Casey	Clark	39.3	-88.0	189.0	100.0
USC00111386	Centralia	Marion	38.6	-89.1	147.8	0.0
USC00111436	Charleston	Coles	39.5	-88.2	213.4	98.0
USC00111447	Chatsworth	Livingston	40.8	-88.3	220.1	0.0
USC00111491	Chester	Randolph	37.9	-89.8	118.9	0.0
USC00111550	Chicago Northerly Is	Cook	41.9	-87.6	177.7	98.0
USC00111577	Chicago Midway AP 3SW	Cook	41.7	-87.8	189.0	100.0
USC00111655	Cisco	Piatt	40.0	-88.7	209.7	0.0
USC00111664	Cisne 2 S	Wayne	38.5	-88.4	138.4	0.0
USC00111700	Clay City 6SSE	Clay	38.6	-88.3	140.2	0.0
USC00111743	Clinton 1SSW	De Witt	40.1	-89.0	211.8	0.0
USC00111836	Congerville 2NW	Woodford	40.6	-89.2	195.1	100.0
USC00112048	Crystal Lake 4NW	McHenry	42.3	-88.4	283.8	74.0
USC00112140	Danville	Vermilion	40.1	-87.6	169.2	99.0
USC00112145	Danville Sewage Plt	Vermilion	40.1	-87.6	163.4	0.0
USC00112193	Decatur Wtp	Macon	39.8	-89.0	194.8	98.0
USC00112223	De Kalb	DeKalb	41.9	-88.8	267.6	100.0
USC00112348	Dixon Wwtp	Lee	41.8	-89.5	198.1	100.0
USC00112353	Dixon Springs Agric Ctr	Pope	37.4	-88.7	160.6	96.0
USC00112483	Du Quoin 4 SE	Perry	38.0	-89.2	128.0	95.0
USC00112500	Dwight Wwtp	Livingston	41.1	-88.4	190.5	99.0
USC00112510	Earlville 3S	LaSalle	41.6	-88.9	210.9	0.0
USC00112679	Edwardsville 2 W	Madison	38.8	-90.0	141.7	0.0
USC00112685	Effingham SE	Effingham	39.1	-88.5	161.8	0.0
USC00112736	Elgin Water	Kane	42.1	-88.3	227.1	99.0
USC00112745	Elizabeth	Jo Daviess	42.3	-90.2	205.7	98.0
USC00112923	Fairbury Wwtp	Livingston	40.8	-88.5	204.2	0.0
USC00112931	1 ENE Fairfield	Wayne	38.4	-88.4	140.8	100.0
USC00113061	Fisher	Champaign	40.3	-88.3	219.8	0.0

Id	Name	County	Latitude	Longitude	Altitude (m)	Days with data (Tmax) (%)
USC00113106	Flora	Clay	38.7	-88.5	146.6	100.0
USC00113107	Flora 2	Clay	38.7	-88.5	149.0	0.0
USC00113120	Ft Massac Sp	Massac	37.1	-88.7	104.2	0.0
USC00113132	Forreston	Ogle	42.1	-89.6	278.3	0.0
USC00113262	Freeport Wwtp	Stephenson	42.3	-89.6	228.6	100.0
USC00113290	Fulton L&D #13	Whiteside	41.9	-90.2	180.4	99.0
USC00113320	Galesburg	Knox	40.9	-90.4	232.0	99.0
USC00113335	Galva	Henry	41.2	-90.0	246.9	100.0
USC00113384	Geneseo	Henry	41.5	-90.1	194.8	100.0
USC00113392	Genoa 2SW	DeKalb	42.1	-88.7	251.8	0.0
USC00113395	Germantown Hills	Woodford	40.8	-89.5	238.7	0.0
USC00113455	Gladstone L/D 18	Henderson	40.9	-91.0	164.0	91.0
USC00113490	Glen Ellyn 4S	DuPage	41.8	-88.1	207.3	0.0
USC00113580	Olmsted L&D	Pulaski	37.2	-89.1	114.3	91.0
USC00113879	Harrisburg	Saline	37.7	-88.5	111.3	91.0
USC00113902	Harvard Wwtp	McHenry	42.4	-88.6	279.2	0.0
USC00113940	Havana	Mason	40.3	-90.1	141.1	0.0
USC00114012	Hennepin	Putnam	41.3	-89.3	157.0	100.0
USC00114089	Highland	Madison	38.7	-89.7	158.5	0.0
USC00114108	Hillsboro	Montgomery	39.2	-89.5	192.0	99.0
USC00114198	Hoopeston	Vermilion	40.5	-87.7	216.4	99.0
USC00114317	Hutsonville	Crawford	39.1	-87.7	147.2	0.0
USC00114355	Illinois City Dam 16	Rock Island	41.4	-91.0	167.6	99.0
USC00114400	Iuka 12 SW	Marion	38.5	-89.0	179.8	43.0
USC00114442	Jacksonville 2E	Morgan	39.7	-90.2	185.9	100.0
USC00114447	Jacksonville 2	Morgan	39.7	-90.2	190.8	100.0
USC00114489	Jerseyville 2 SW	Jersey	39.1	-90.3	185.9	95.0
USC00114530	Joliet Brandon Road Lock/Dam	Will	41.5	-88.1	165.5	100.0
USC00114603	Kankakee Wwtp	Kankakee	41.1	-87.9	182.9	99.0
USC00114629	Kaskaskia Rvr Navigation Lock	Randolph	38.0	-89.9	118.9	98.0
USC00114710	Kewanee 1E	Henry	41.2	-89.9	237.7	98.0
USC00114780	Knoxville	Knox	40.9	-90.3	221.9	100.0
USC00114805	Lacon	Marshall	41.0	-89.4	139.6	0.0
USC00114823	La Harpe	Hancock	40.6	-91.0	206.7	97.0
USC00114833	Lake Springfield	Sangamon	39.8	-89.6	177.1	0.0
USC00114890	Lansing 2S	Cook	41.5	-87.5	187.1	0.0
USC00114957	Lawrenceville 2WSW	Lawrence	38.7	-87.7	137.5	100.0
USC00115079	Lincoln	Logan	40.2	-89.3	177.7	100.0
USC00115097	Lisle - Morton Arboretum	DuPage	41.8	-88.1	206.3	98.0
USC00115110	Little Red School House	Cook	41.7	-87.9	219.2	0.0
USC00115219	Lovington	Moultrie	39.7	-88.6	207.9	0.0
USC00115272	Mackinaw 3WSW	Tazewell	40.5	-89.4	201.8	0.0
USC00115280	Macomb	McDonough	40.5	-90.7	185.9	0.0
USC00115314	Manhattan 5ENE	Will	41.5	-87.9	228.0	0.0
USC00115342	Marion 4 NNE	Williamson	37.8	-88.9	145.4	0.0
USC00115372	Marseilles Lock/Dam	LaSalle	41.3	-88.8	148.4	99.0
USC00115430	Mattoon	Coles	39.5	-88.4	213.4	0.0
USC00115493	McHenry Stratton Lock/Dam	McHenry	42.3	-88.3	224.3	100.0

Id	Name	County	Latitude	Longitude	Altitude (m)	Days with data (Tmax) (%)
USC00115539	Medora 1 S	Macoupin	39.2	-90.1	185.0	0.0
USC00115562	Mendota 1S	LaSalle	41.5	-89.1	218.8	0.0
USC00115660	Milstadt 2SW	St. Clair	38.4	-90.1	198.1	0.0
USC00115712	Minonk	Woodford	40.9	-89.0	228.6	100.0
USC00115763	Monee	Will	41.4	-87.8	242.9	0.0
USC00115768	Monmouth	Warren	40.9	-90.6	219.5	94.0
USC00115772	Monmouth 4NW	Warren	40.9	-90.7	220.7	99.0
USC00115825	Morris 1NW	Grundy	41.4	-88.4	159.7	100.0
USC00115833	Morrison	Whiteside	41.8	-90.0	192.6	100.0
USC00115841	Morrisonville	Christian	39.4	-89.5	192.0	99.0
USC00115876	Morton	Tazewell	40.6	-89.5	213.7	0.0
USC00115901	Mt Carroll	Carroll	42.1	-90.0	215.8	98.0
USC00115917	Mt Olive 1 E	Macoupin	39.1	-89.7	204.2	0.0
USC00115927	Mt Pulaski	Logan	40.0	-89.3	201.5	0.0
USC00115943	Mt Vernon 3 NE	Jefferson	38.4	-88.9	149.4	79.0
USC00115950	Moweaqua 2S	Shelby	39.6	-89.0	190.5	0.0
USC00115983	Murphysboro 2 SW	Jackson	37.8	-89.4	167.6	0.0
USC00116024	Neoga	Cumberland	39.3	-88.5	195.7	0.0
USC00116080	New Boston Dam 17	Mercer	41.2	-91.1	166.7	92.0
USC00116157	Newton	Jasper	39.0	-88.2	161.8	100.0
USC00116200	Normal 4NE	McLean	40.5	-88.9	240.8	99.0
USC00116344	Ogden	Champaign	40.1	-88.0	205.7	98.0
USC00116446	Olney 2S	Richland	38.7	-88.1	139.9	100.0
USC00116490	Oregon	Ogle	42.0	-89.3	206.7	0.0
USC00116526	Ottawa 4SW	LaSalle	41.3	-88.9	166.1	100.0
USC00116579	Pana	Christian	39.4	-89.1	198.1	100.0
USC00116610	Paris Stp	Edgar	39.6	-87.7	197.8	92.0
USC00116616	Park Forest Water	Cook	41.5	-87.7	216.4	100.0
USC00116661	Paw Paw 2S	Lee	41.7	-89.0	271.0	99.0
USC00116663	Paxton	Ford	40.5	-88.1	242.9	0.0
USC00116710	Peoria 5NW	Peoria	40.7	-89.6	213.4	0.0
USC00116725	Peotone	Will	41.3	-87.8	218.8	0.0
USC00116738	Perry 6 NW	Pike	39.8	-90.8	198.1	21.0
USC00116753	Peru	LaSalle	41.3	-89.1	193.2	100.0
USC00116765	Petersburg 1E	Menard	40.0	-89.8	182.9	100.0
USC00116769	Philo	Champaign	40.0	-88.2	219.5	0.0
USC00116779	Pinckneyville 2 N	Perry	38.1	-89.4	131.1	0.0
USC00116837	Pittsfield #2	Pike	39.6	-90.8	207.3	67.0
USC00116874	Plumfield	Franklin	37.9	-89.0	119.8	0.0
USC00116970	Prairie City 2S	McDonough	40.6	-90.5	198.1	10.0
USC00117077	Quincy Dam 21	Adams	39.9	-91.4	147.2	92.0
USC00117157	Red Bud 2 S	Randolph	38.2	-90.0	128.0	0.0
USC00117187	Rend Lake Dam	Franklin	38.0	-89.0	138.7	87.0
USC00117329	Roanoke	Woodford	40.8	-89.2	219.5	0.0
USC00117345	Robinson	Crawford	39.0	-87.8	163.1	100.0
USC00117391	Rock Is L&D 15	Rock Island	41.5	-90.6	173.1	90.0
USC00117457	Romeoville Wfo	Will	41.6	-88.1	201.2	100.0
USC00117487	Elizabethtown	Hardin	37.4	-88.3	110.3	0.0

Id	Name	County	Latitude	Longitude	Altitude (m)	Days with data (Tmax) (%)
USC00117636	Salem	Marion	38.6	-88.9	167.6	99.0
USC00117833	Shabbona 3S	DeKalb	41.7	-88.9	259.1	0.0
USC00117860	Shawneetown 3 WSW	Gallatin	37.7	-88.2	121.9	0.0
USC00117876	Shelbyville Dam	Shelby	39.4	-88.8	198.1	99.0
USC00117896	Sherman	Sangamon	39.9	-89.6	177.1	0.0
USC00117952	Sidell 4N	Vermilion	40.0	-87.8	204.8	100.0
USC00118020	Smithland L&D	Pope	37.2	-88.4	108.8	97.0
USC00118194	St Anne	Kankakee	41.0	-87.7	203.0	0.0
USC00118210	St Libory	St. Clair	38.4	-89.7	129.5	0.0
USC00118248	Steeleville	Randolph	38.0	-89.7	131.1	0.0
USC00118254	Steward 3S	Lee	41.8	-89.0	246.9	0.0
USC00118293	Stockton 3NNE	Jo Daviess	42.4	-90.0	295.7	100.0
USC00118353	Streator 2SE	Livingston	41.1	-88.8	184.7	0.0
USC00118389	Sullivan 3S	Moultrie	39.6	-88.6	195.1	0.0
USC00118491	Taylorville 2SE	Christian	39.5	-89.3	188.1	0.0
USC00118684	Tuscola	Douglas	39.8	-88.3	198.4	100.0
USC00118740	Champaign 3S	Champaign	40.1	-88.2	220.1	100.0
USC00118781	Vandalia	Fayette	39.0	-89.1	149.4	0.0
USC00118916	Walnut	Bureau	41.6	-89.6	213.4	98.0
USC00118932	Waltonville	Jefferson	38.2	-89.1	155.8	0.0
USC00119002	Waterloo 6SW	Monroe	38.3	-90.2	222.5	0.0
USC00119021	Watseka Public Works	Iroquois	40.8	-87.7	191.1	0.0
USC00119148	W Frankfort	Franklin	37.9	-88.9	131.1	0.0
USC00119241	White Hall 1 E	Greene	39.4	-90.4	176.8	99.0
USC00119275	Willisville	Randolph	38.0	-89.6	151.2	0.0
USC00119354	Windsor	Shelby	39.4	-88.6	210.3	99.0
USC00119480	Woodstock 5NW	McHenry	42.4	-88.5	288.6	0.0
USC00119816	Yates City	Knox	40.8	-90.0	203.9	0.0
USW00003887	Decatur AP	Macon	39.8	-88.9	205.1	100.0
USW00003960	Cahokia St Louis Dwtm AP	St. Clair	38.6	-90.1	123.4	99.0
USW00004808	Chicago Aurora Muni AP	Kane	41.8	-88.5	213.7	100.0
USW00004838	Chicago Palwaukee AP	Cook	42.1	-87.9	191.7	100.0
USW00013802	Belleville Siu Rsch	St. Clair	38.5	-89.8	137.2	98.0
USW00013809	Lawrenceville Vincennes Intl A	Lawrence	38.8	-87.6	130.1	100.0
USW00014806	Rantoul	Champaign	40.3	-88.2	225.6	0.0
USW00014819	Chicago Midway AP	Cook	41.8	-87.8	185.9	100.0
USW00014834	Joliet	Will	41.5	-88.1	167.9	98.0
USW00014842	General Wayne A Downing Intl A	Peoria	40.7	-89.7	199.6	100.0
USW00014880	Chicago Waukegan Rgnl AP	Lake	42.4	-87.9	216.4	100.0
USW00014923	Moline Quad City Intl AP	Rock Island	41.4	-90.5	175.6	100.0
USW00053802	Mattoon Charleston Coles Co AP	Coles	39.5	-88.3	216.4	99.0
USW00054808	Champaign 9 SW	Champaign	40.1	-88.4	213.4	100.0
USW00054811	Shabbona 5 NNE	DeKalb	41.8	-88.9	262.4	100.0
USW00054831	Bloomington Normal AP	McLean	40.5	-89.0	263.7	99.0
USW00093809	Cairo 3N	Alexander	37.0	-89.2	95.4	97.0
USW00093810	Carbondale Sthrn Illinois AP	Jackson	37.8	-89.2	121.9	99.0
USW00093822	Springfield Abraham Lincoln Ca	Sangamon	39.8	-89.7	179.8	100.0
USW00093989	Quincy Rgnl AP	Adams	39.9	-91.2	231.6	100.0

Id	Name	County	Latitude	Longitude	Altitude (m)	Days with data (Tmax) (%)
USW00094822	Rockford Gtr Rockford AP	Winnebago	42.2	-89.1	221.0	100.0
USW00094846	Chicago Ohare Intl AP	DuPage	42.0	-87.9	204.8	100.0
USW00094870	Champaign Urbana Willard AP	Champaign	40.0	-88.3	226.5	99.0
USW00094892	Chicago W Chicago Dupage AP	DuPage	41.9	-88.3	228.3	100.0

CSV

Source: NOAA NCEI

- Report data (JSON)
- Tables (CSV)

11 Glossary, methodology and sources

Anomaly: difference between the observed value and its 1991–2020 normal. Percent of normal: observed total divided by the normal, times 100. Station record: most extreme daily value for the same month in all earlier years of record (at least 20 years).

Temperature: NOAA nClimGrid-Daily. Precipitation: NOAA nClimGrid-Daily. nClimGrid-Daily is the grid behind NOAA's official statewide values; it is averaged here from 1/24° to 1/8° (about 12 km). Mean temperature is (Tmax + Tmin)/2. Statewide, regional and county averages are weighted by the area of each grid cell inside each polygon. Temperature maps, frost days and annex tables are given by region; regions are NOAA NCEI climate divisions, with each county in the division of its centroid. Recent weeks use NCEI's preliminary file of the month; such reports are marked preliminary and updated when the final file is published. Normals refer to 1991–2020; ranks compare values rounded to one decimal. Stations: GHCN-Daily (NOAA NCEI) cooperative and first-order stations; values flagged by its quality control are discarded, as are daily values more than 5 robust standard deviations from the station median and variables whose monthly anomaly differs by more than 3 °C from the gridded analysis. Period means require at least 80% of days with data and station normals at least 20 complete years. This report is generated automatically and does not replace official information from the National Weather Service or the state climatologist.

Source	Product	License	Citation
NOAA CPC	ONI, Niño-region SST indices (OISST v2.1), NAO and AO	Public domain (NOAA)	NOAA Climate Prediction Center climate indices.
NOAA NCEI / PSL	Extended Reconstructed SST v5 (ERSST v5), 2°	Public domain (NOAA)	Huang et al. (2017), J. Climate, doi:10.1175/JCLI-D-16-0836.1
GDACS	Global Disaster Alert and Coordination System event list	See provider terms	—
NOAA NCEI	GHCN-Daily	Public domain (NOAA)	Menne et al. (2012), J. Atmos. Oceanic Technol., doi:10.1175/JTECH-D-11-00103.1
NOAA NCEI	Pacific Decadal Oscillation index (ERSST v5)	Public domain (NOAA)	—
NOAA NCEI	nClimGrid-Daily, contiguous United States (1/24°, averaged here to 1/8°)	Public domain (NOAA)	Durre, I., et al. (2022). NOAA's nClimGrid-Daily Version 1. NOAA National Centers for Environmental Information. doi:10.25921/c4gt-r169

Source	Product	License	Citation
NOAA CPC	North American Multi-Model Ensemble (NMME) tercile probabilities, 1°	Public domain (NOAA)	Kirtman et al. (2014), Bull. Amer. Meteor. Soc., doi:10.1175/BAMS-D-12-00050.1
National Drought Mitigation Center, USDA, NOAA	U.S. Drought Monitor, weekly maps and area statistics	Free to use with credit (NDMC)	The U.S. Drought Monitor is jointly produced by the National Drought Mitigation Center at the University of Nebraska-Lincoln, the United States Department of Agriculture and the National Oceanic and Atmospheric Administration. Map courtesy of NDMC.
US Census Bureau TIGERweb	US Census Bureau, TIGERweb counties (generalised)	Public domain (US Government work)	—

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