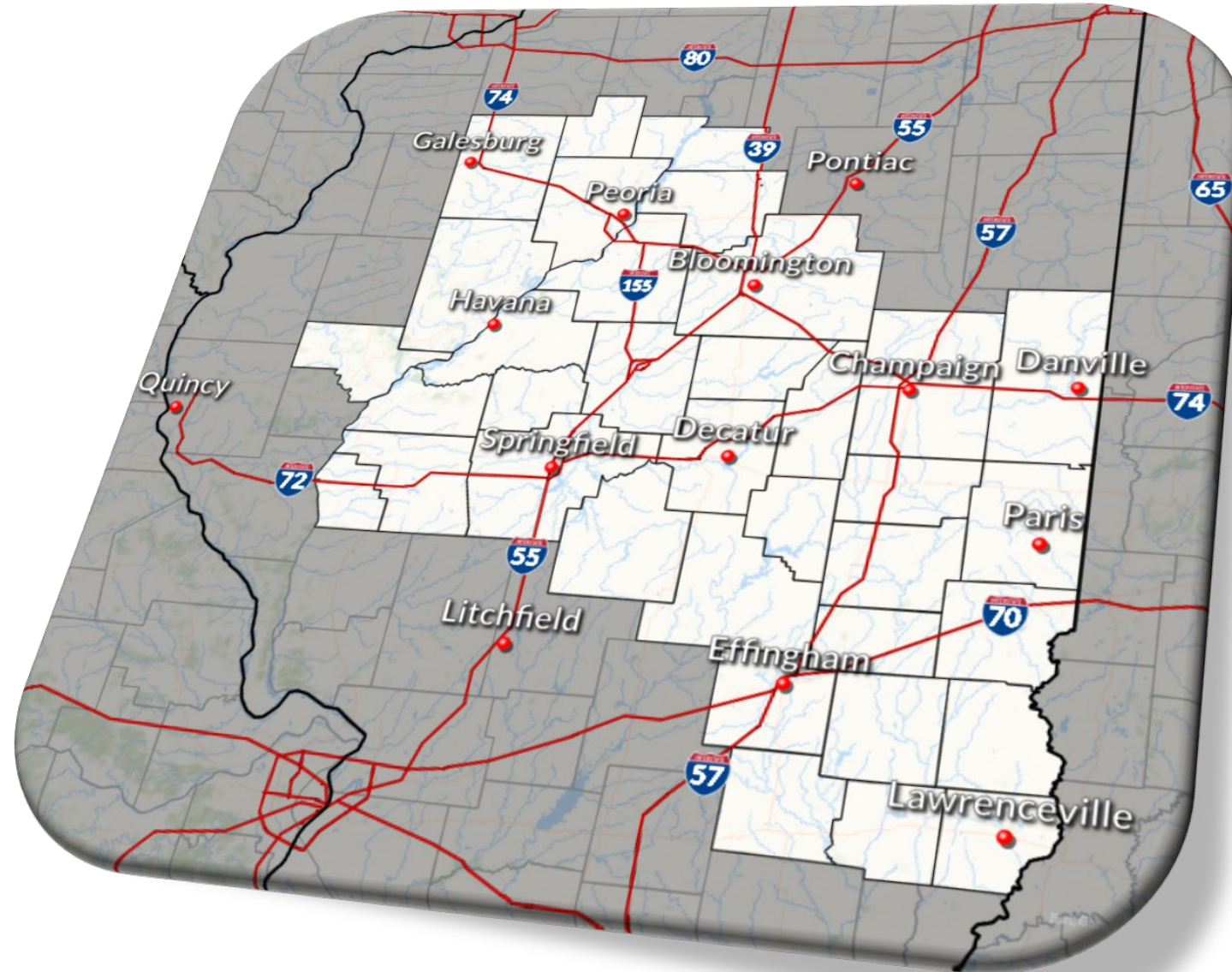


# Decision Support Briefing

August 26, 2024  
4:57 AM

Lincoln NWS Daily Partners Briefing for Central and Southeast Illinois



National Oceanic and Atmospheric Administration  
U.S. Department of Commerce

National Weather Service  
Lincoln, IL



# Decision Support Briefing

August 26, 2024

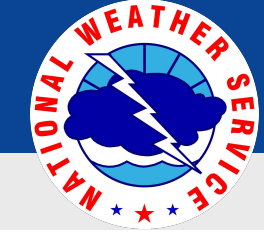
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## Bottom Line Up Front

What	Where	When	Impacts
<b>Hot &amp; Humid</b>	Central/West Central IL	Monday	<ul style="list-style-type: none"> <li>Heat illness with exertion and/or prolonged exposure</li> </ul>
	Central/Southeast IL	Tuesday-Wednesday	
<b>Isolated Thunderstorms</b>	Northern/Central IL	Tuesday-Wednesday	<ul style="list-style-type: none"> <li>Lightning</li> <li>Heavy downpours</li> <li>Strong, locally damaging, wind gusts</li> </ul>
	Central/Southeast IL	Thursday-Friday	

- Heat across west-central IL Monday will expand east Tuesday. Heat indices will climb to 105 to 110 (locally higher) near and west of I-55 Monday, and 105 to 115 area-wide on Tuesday. Forecast heat indices have trended hotter for Wednesday, with widespread values near 105 across central and southeast IL.
- Uncertainty in timing of storm activity ahead of an approaching cold front lends lower confidence in Thursday's temperature forecast, but by Friday conditions will turn cooler for much of the state behind that front.
- There is a small (20%) chance for an isolated thunderstorm across northern and central IL both Tuesday evening and again on Wednesday. While confidence is low each day, any storm could generate strong to locally damaging wind gusts, heavy downpours, and frequent lightning. Thunderstorm chances increase to 30-50% Thursday night into Friday.





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4:57 AM

## Weather Hazards at a Glance

	Monday, Aug 26	Tuesday, Aug 27	Wednesday, Aug 28	Thursday, Aug 29	Friday, Aug 30	Saturday, Aug 31	Sunday, Sep 1
<b>Severe Weather</b> Wind / Hail / Tornadoes	Green	Yellow	Yellow	Green	Green	Green	Green
<b>Heavy Rain</b>	Green	Green	Green	Green	Green	Green	Green
<b>River Flooding</b>	Green	Green	Green	Green	Green	Green	Green
<b>Fire Danger</b>	Green	Green	Green	Green	Green	Green	Green
<b>Strong Wind</b>	Green	Green	Green	Green	Green	Green	Green
<b>Heat Index</b>	Red	Red	Yellow	Green	Green	Green	Green
<b>Dense Fog</b>	Green	Green	Green	Green	Green	Green	Green
<b>Air Quality</b>	Green	Green	Green	Green	Green	Green	Green

Risk Levels

Little to None

Limited

Elevated

Significant

Extreme



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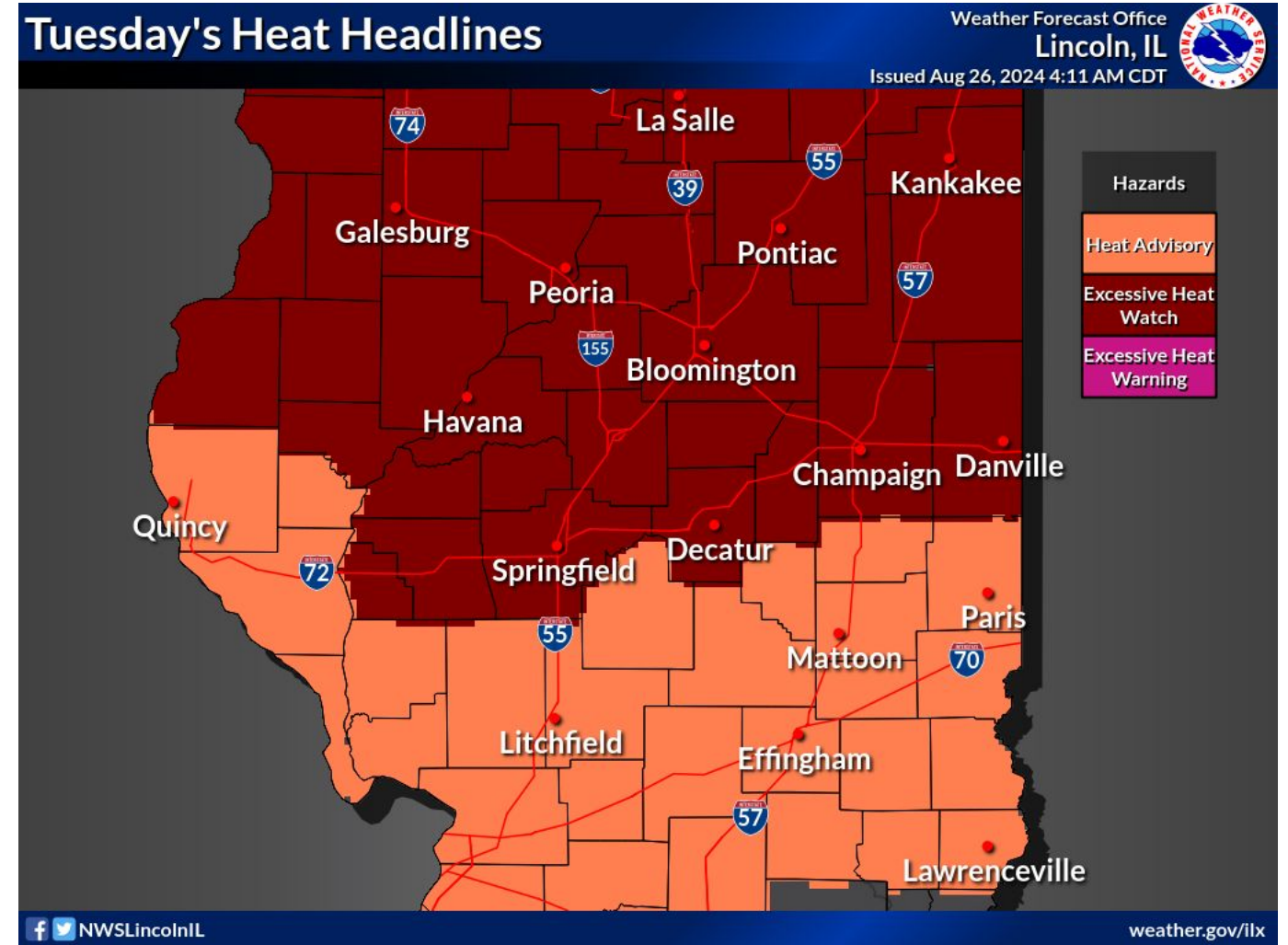
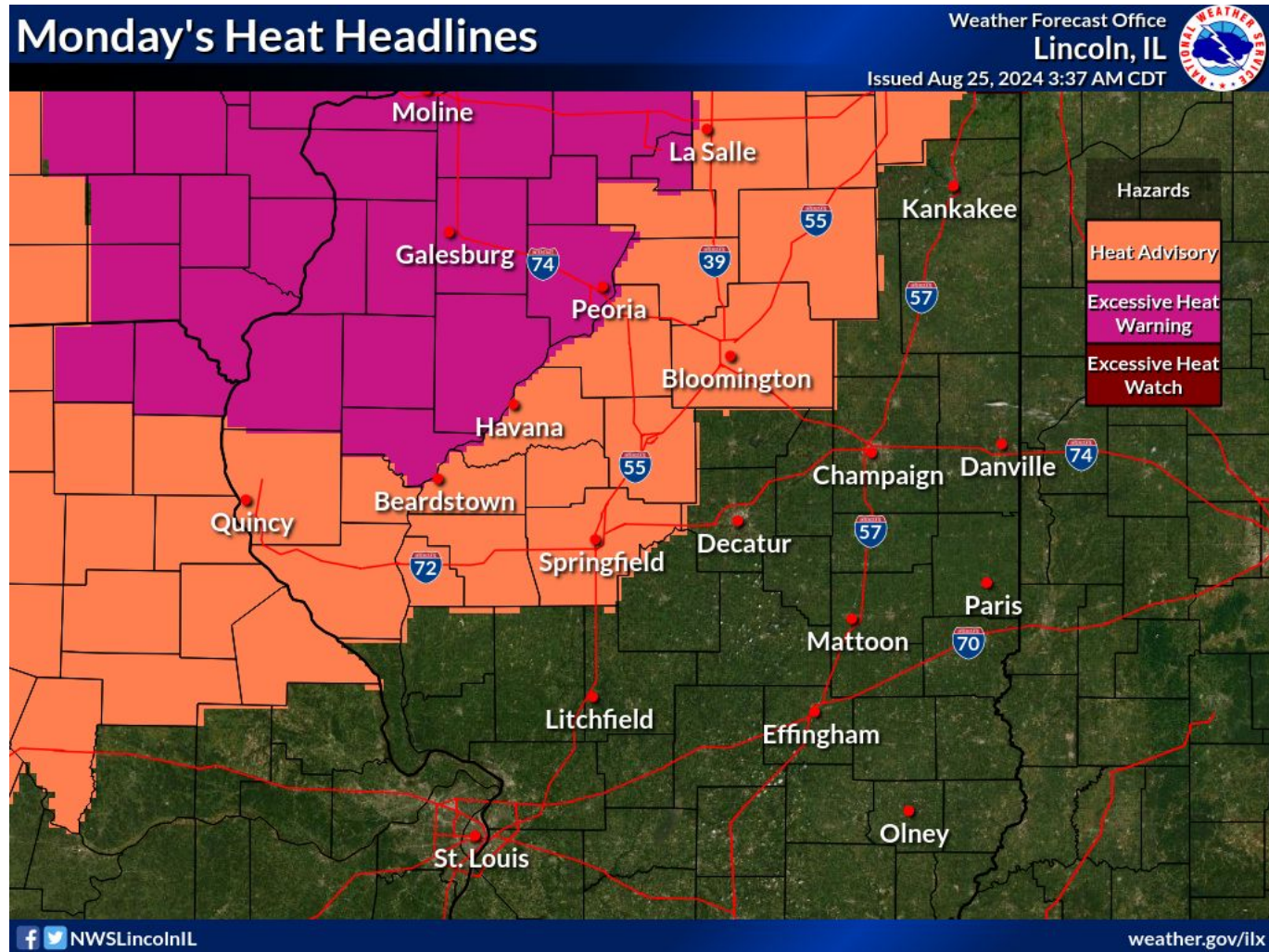
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## Latest Weather Headlines

Monday: Excessive Heat Warning west of the IL River, Heat Advisory to I-55 corridor.

Tuesday: Excessive Heat Watch near and north of I-72. Heat Advisory elsewhere.







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## Severe Weather Outlook: Day 2

**Marginal risk (level 1 of 5) of severe thunderstorms**

### Timing:

Late Tuesday afternoon through Tuesday night

### Location:

Highest chances currently appear to be north of a Macomb to Danville line.

### Hazards:

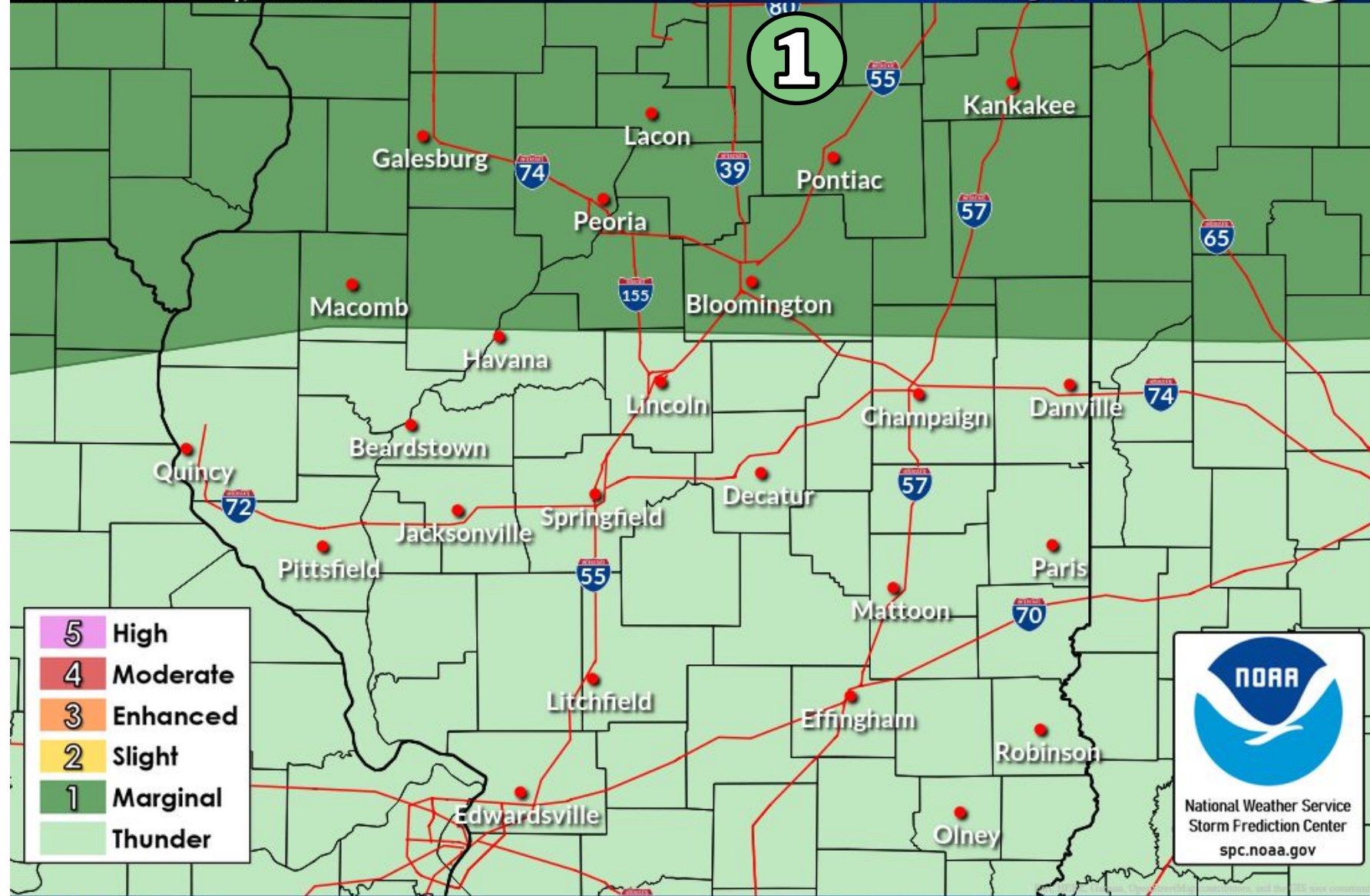
- Damaging wind gusts
- Hail

## SPC Day 2 Severe Weather Outlook

Forecast for: Tuesday, 08/27/2024

Weather Forecast Office  
Lincoln, IL

Issued Aug 26, 2024 3:20 AM CDT



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Lincoln, IL

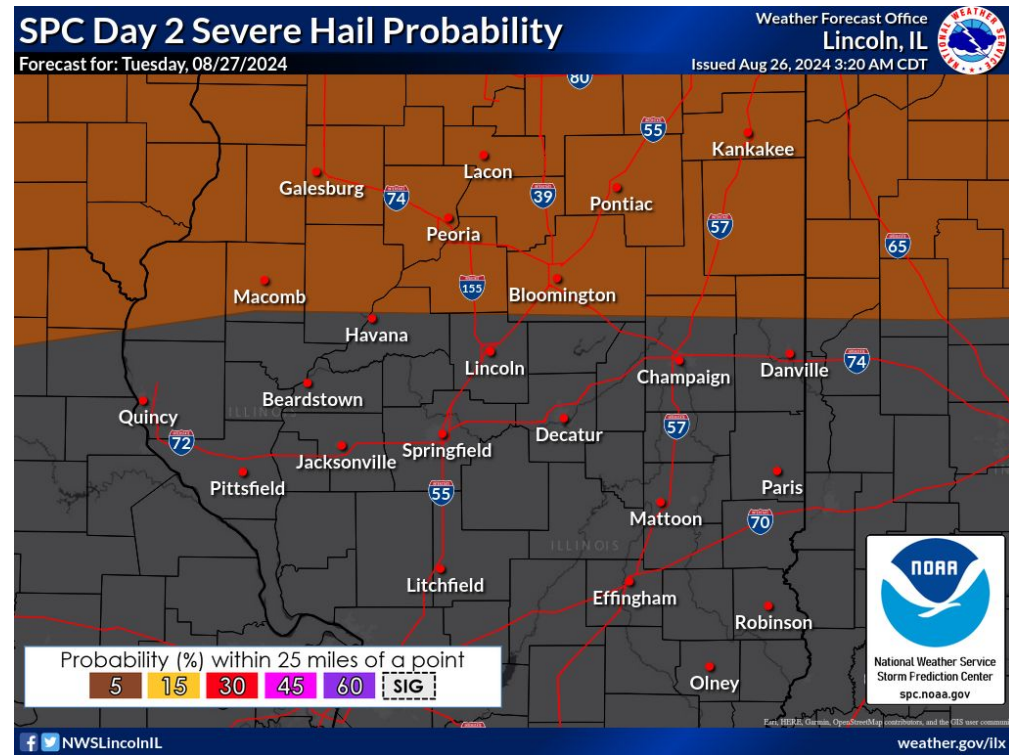
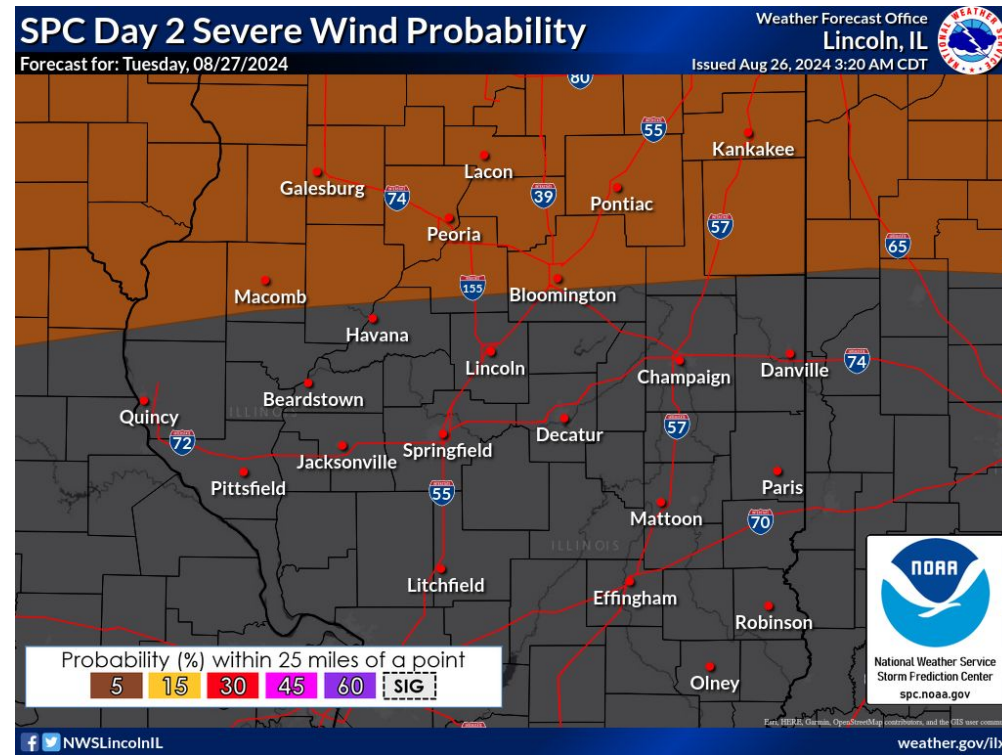
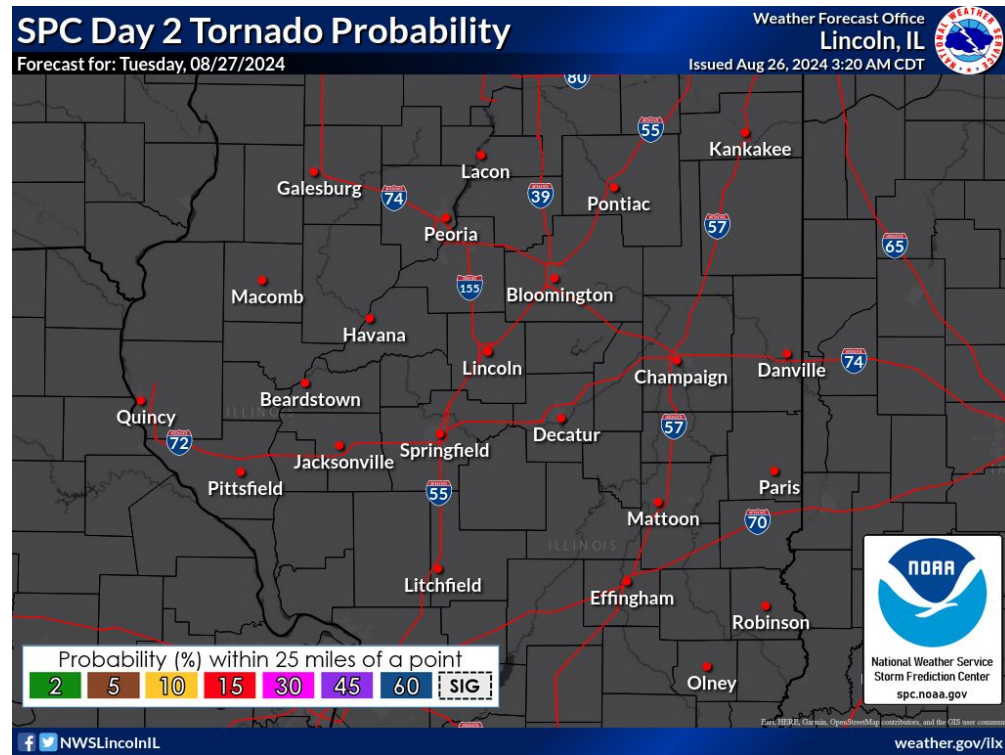


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## Severe Weather Outlook: Day 2

### Probability of specific severe weather types:







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## Severe Weather Outlook: Day 3

**Marginal risk (level 1 of 5) of severe thunderstorms**

### Timing:

Wednesday afternoon and evening

### Location:

All of central and southeast IL

### Hazards:

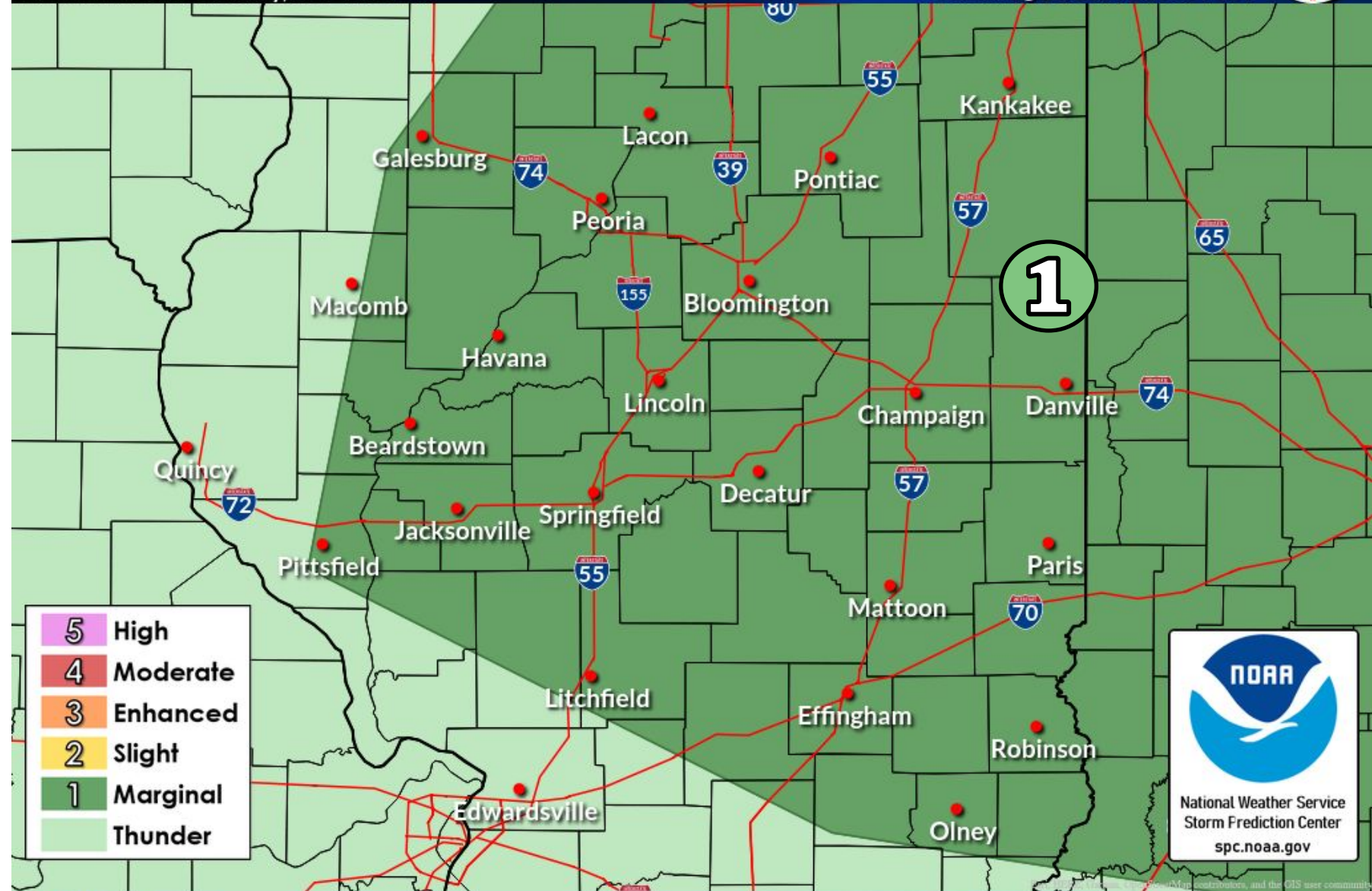
- Damaging wind gusts
- Hail

## SPC Day 3 Severe Weather Outlook

Forecast for: Wednesday, 08/28/2024

Weather Forecast Office  
Lincoln, IL

Issued Aug 26, 2024 3:20 AM CDT



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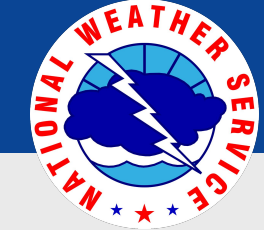
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Lincoln, IL





# Decision Support Briefing

August 26, 2024  
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## Severe Weather Outlook: Risk Categories

### Understanding Severe Thunderstorm Outlook Categories



LEVEL	CATEGORY	DETAILS	SUMMARY	How many severe storms are possible?	How bad could the worst storms be?	DEFINITIONS
	General Thunderstorm	Although severe weather is not expected, <i>all</i> thunderstorms can produce deadly lightning, gusty winds, and small hail.	No severe thunderstorms expected		Similar to storms your area experiences many times per year	<b>Severe Storm</b>  Any storm that contains at least one of the following:
<b>1</b>	<b>Marginal (MRGL)</b>	<b>Some storms could be capable of damaging winds and severe hail. Localized tornado threat could develop.</b>	Isolated severe storms possible		Similar to storms your area may experience several times per year	<b>Wind gusts of at least 58 mph</b> . <b>Hail at least one inch in diameter</b> . <b>Tornado</b>
<b>2</b>	<b>Slight (SLGT)</b>	<b>Increased confidence that some storms will contain damaging winds, severe hail, and/or tornado potential.</b> <i>A few severe storms could be significant</i>	Isolated to scattered severe storms expected		Similar to storms your area may experience a few times per year	<b>Significant Severe</b>  Any of the following hazards:
<b>3</b>	<b>Enhanced (ENH)</b>	<b>High confidence that several storms will contain damaging winds, severe hail, and/or tornadoes.</b> <i>Several severe storms could be significant</i>	Scattered to numerous severe storms expected		Similar to intense storms your area may only experience once or twice per year	<b>Wind gusts of at least 75 mph</b> . <b>Hail at least two inches in diameter</b> . <b>Tornado of at least EF-2 rating</b>
<b>4</b>	<b>Moderate (MDT)</b>	<b>High confidence that many storms will contain damaging winds, severe hail, and/or tornadoes.</b> <i>Several severe storms likely to be significant</i>	Scattered to numerous severe storms expected		Similar to intense storms your area may only experience once per year or less	
<b>5</b>	<b>High (HIGH)</b>	<b>High confidence that an outbreak of storms will contain tornadoes, damaging winds, and/or severe hail.</b> <i>Tornado outbreak and/or widespread damaging winds</i>	Numerous severe storms expected		Very intense storms your area may only experience once or twice in a lifetime	

[spc.noaa.gov](http://spc.noaa.gov) | [weather.gov](http://weather.gov)







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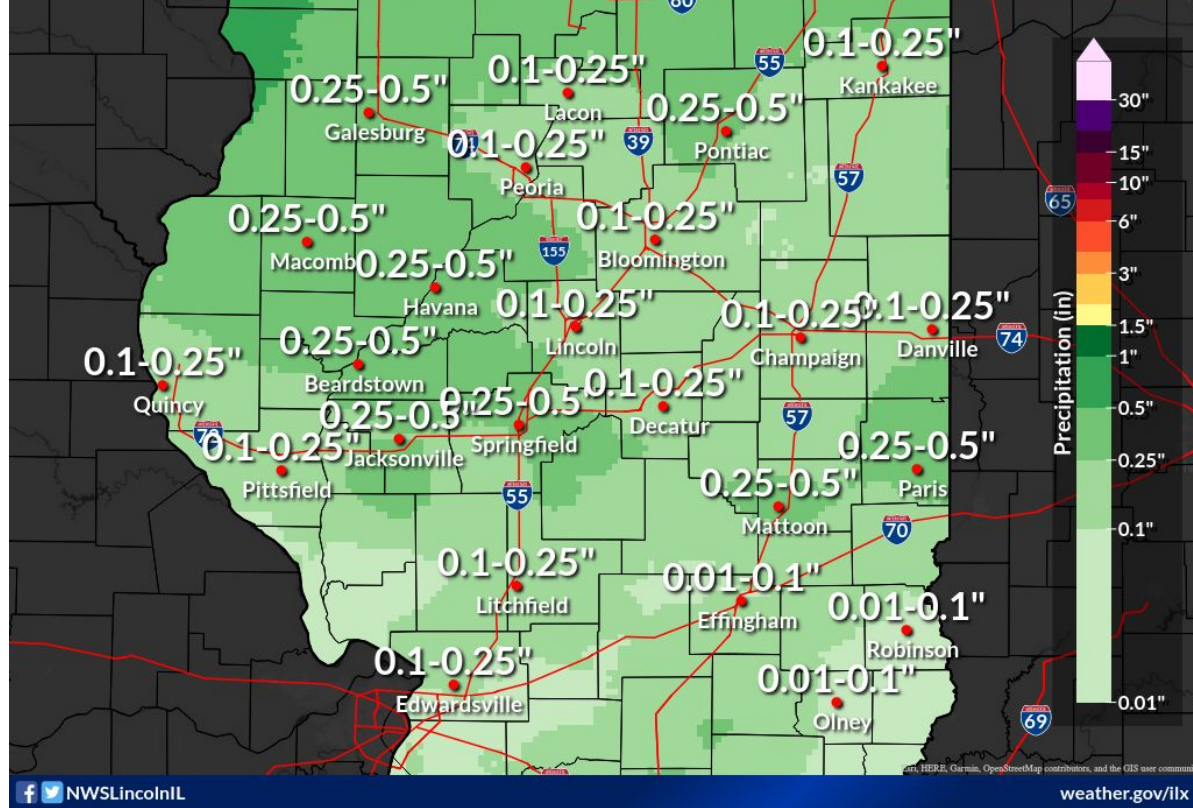
## 7-Day Precipitation Outlook

### Forecast Precipitation Next 7 Days

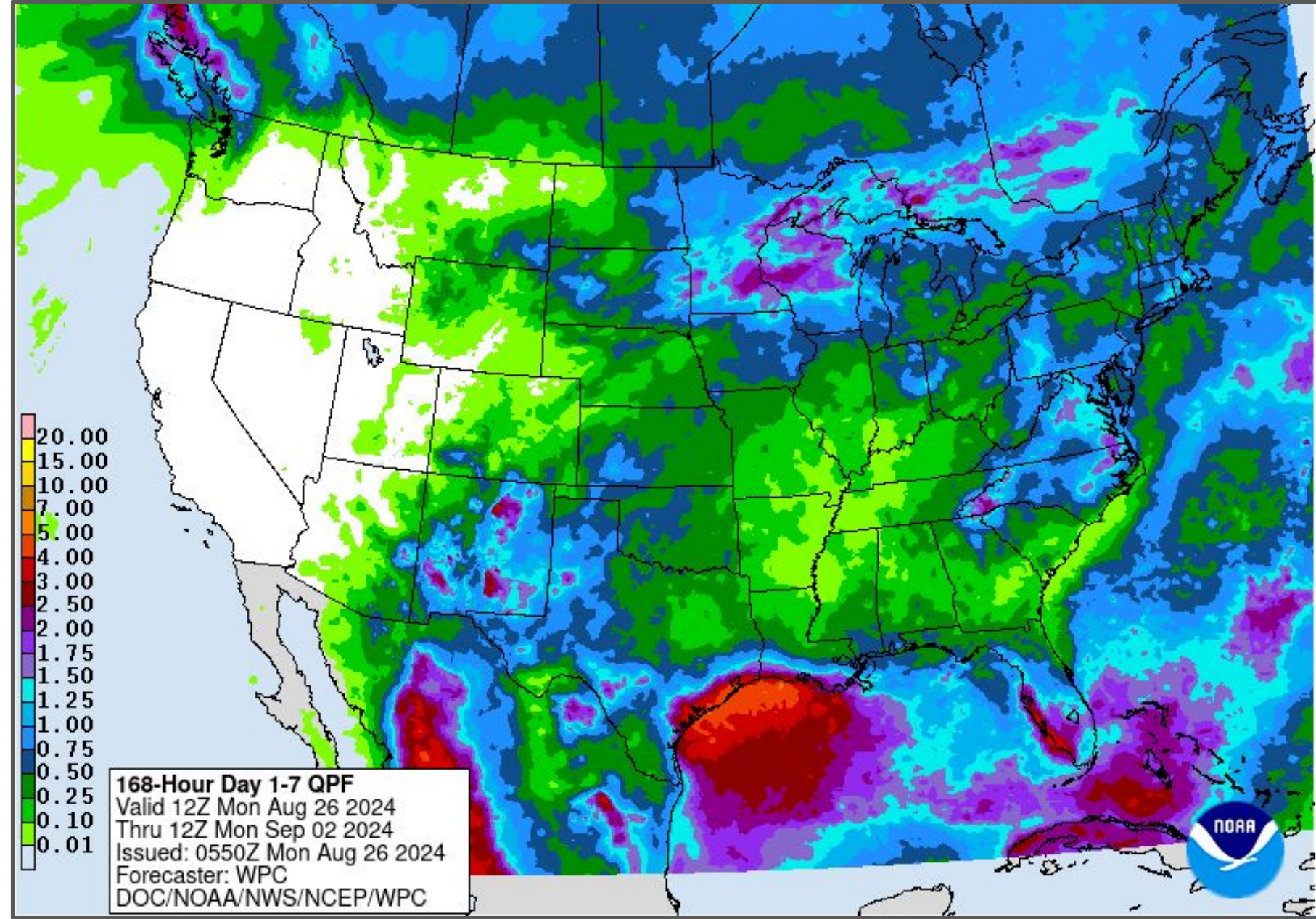
Valid Mon 7:00AM through Sun 7:00PM CDT

Weather Forecast Office  
Lincoln, IL

Issued Aug 26, 2024 3:32 AM CDT



Rainfall mainly late Thursday-Friday



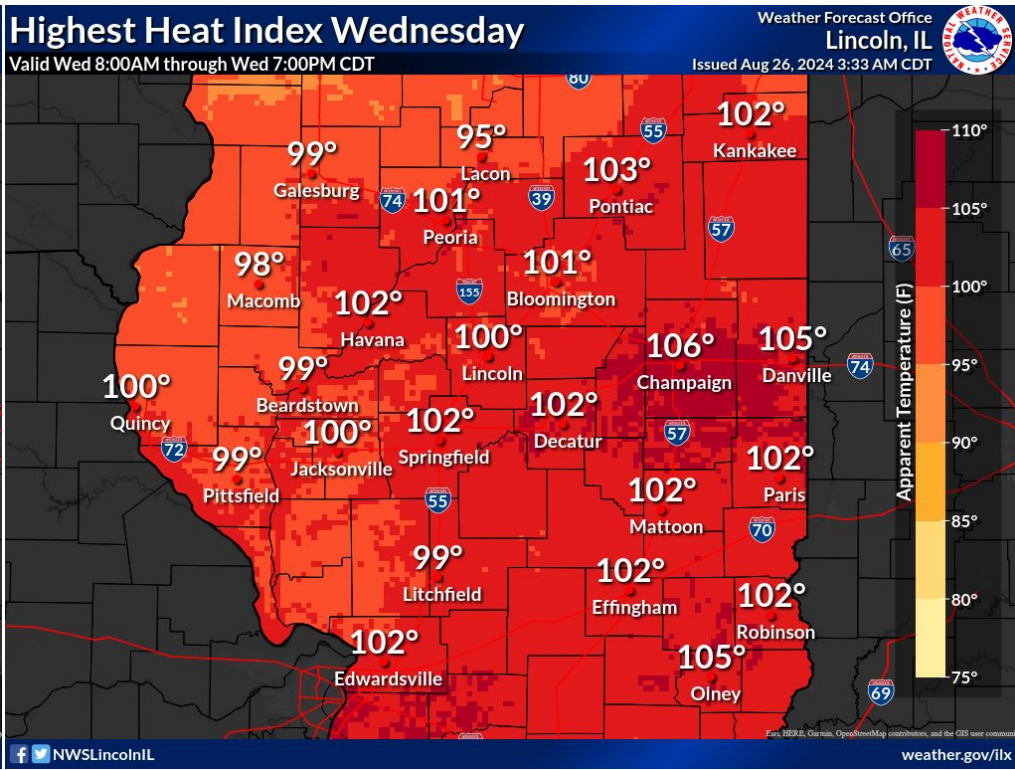
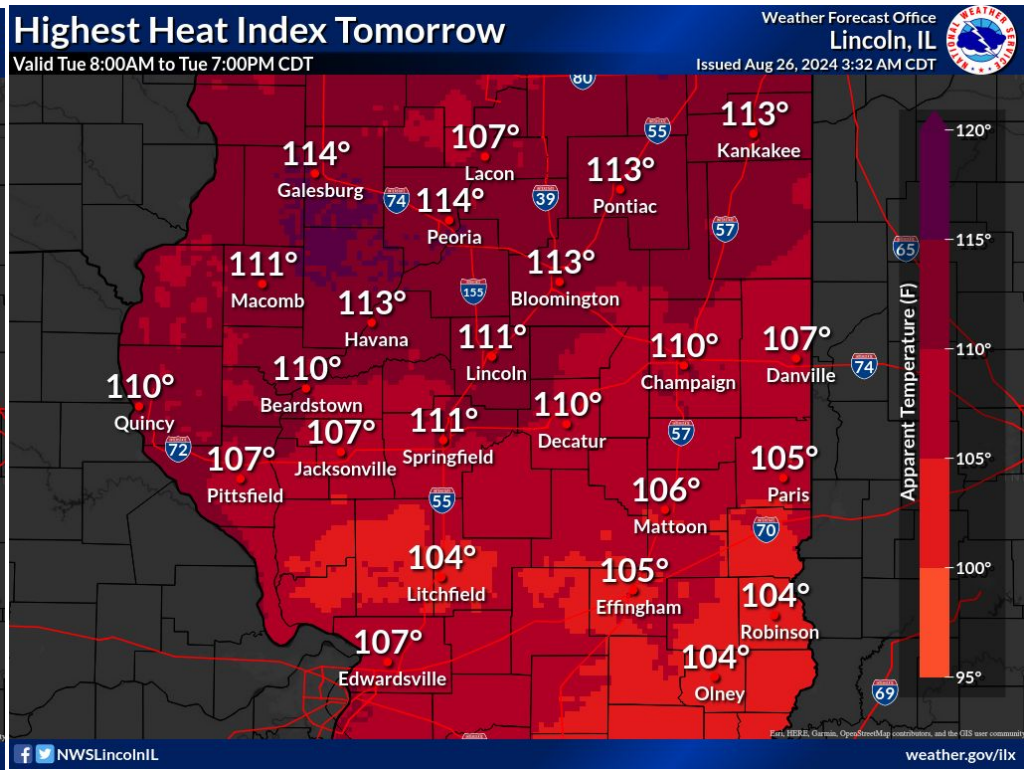
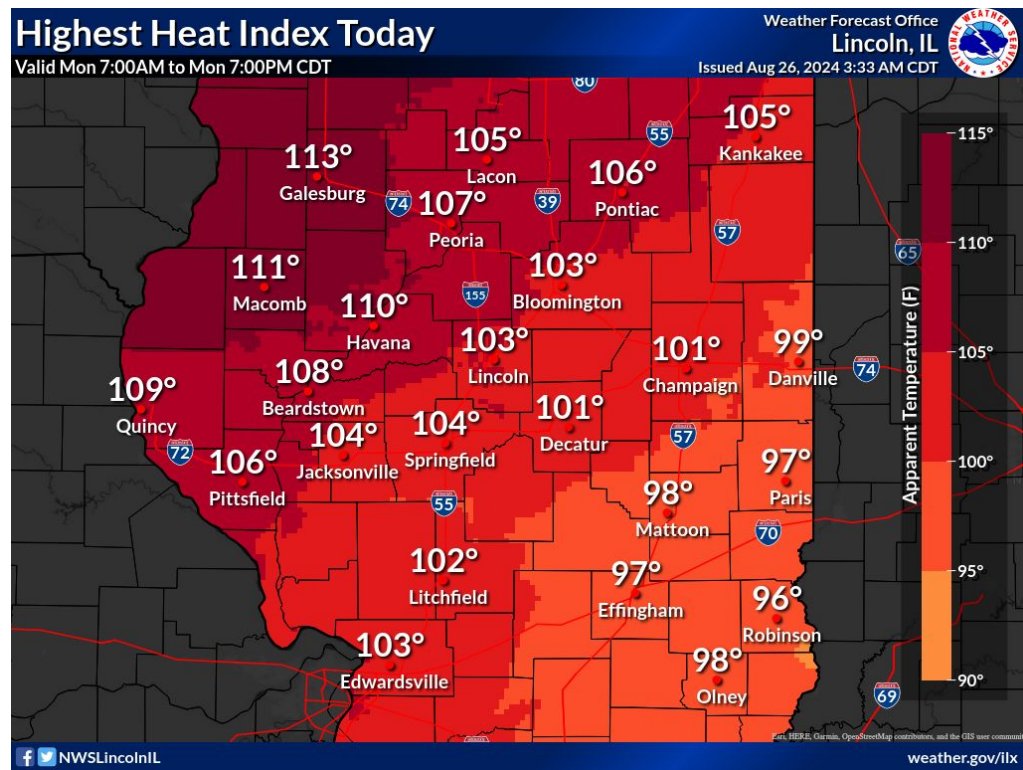




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## Heat Index Forecast







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## Weather Story Graphic

# HOT WEEK AHEAD

TODAY – August 26, 2024	TUE	WED	THU	FRI	SAT
MOSTLY SUNNY	20% Chance	20% Chance	Late	40% Chance	
PEORIA 96	98	93	93	85	84
BLOOMINGTON 94	97	93	91	85	84
SPRINGFIELD 96	98	95	94	85	85
DECATUR 94	97	94	94	87	85
CHAMPAIGN 93	97	94	92	87	84

HEAT HEADLINES IN EFFECT

NATIONAL WEATHER SERVICE – LINCOLN, ILLINOIS  
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION



National Oceanic and Atmospheric Administration  
U.S. Department of Commerce

National Weather Service  
Lincoln, IL



# Extreme Heat Planning Timeline

## Pre-Season

Start planning before hot weather arrives.

- ✓ Build an emergency kit
- ✓ Make a plan for power outages
- ✓ Become trained in first aid for heat-related emergencies
- ✓ Check that your A/C and fans are in working order

## A Few Days Out

If the forecast calls for extreme heat, be ready.

- ✓ Gather food, water, and medication
- ✓ Make a list of friends and family to check on & help them prepare
- ✓ Know your local cooling shelters or other cool locations
- ✓ Reschedule outdoor events

## During and After

Remain vigilant and stay informed.

- ✓ Stay in air conditioning and out of the sun if possible
- ✓ Check on friends, family, neighbors, and pets
- ✓ Drink plenty of water
- ✓ Take breaks and use a buddy system if working outdoors

weather.gov





# EXCESSIVE HEAT WATCH

---

An Excessive Heat Watch is issued when **dangerous heat is possible**.

Reschedule outdoor activities in the coming days. Make sure that children, the elderly, and pets have a place to cool off during the heat.

---

## Be Prepared.



weather.gov

# EXCESSIVE HEAT WARNING

---

An Excessive Heat Warning is issued when **dangerous heat is happening or about to happen**.

Avoid heavy activity & direct sunlight. Stay hydrated, find a cool indoor place, and check on children, elderly & pets.

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## Take Action!





# Decision Support Briefing

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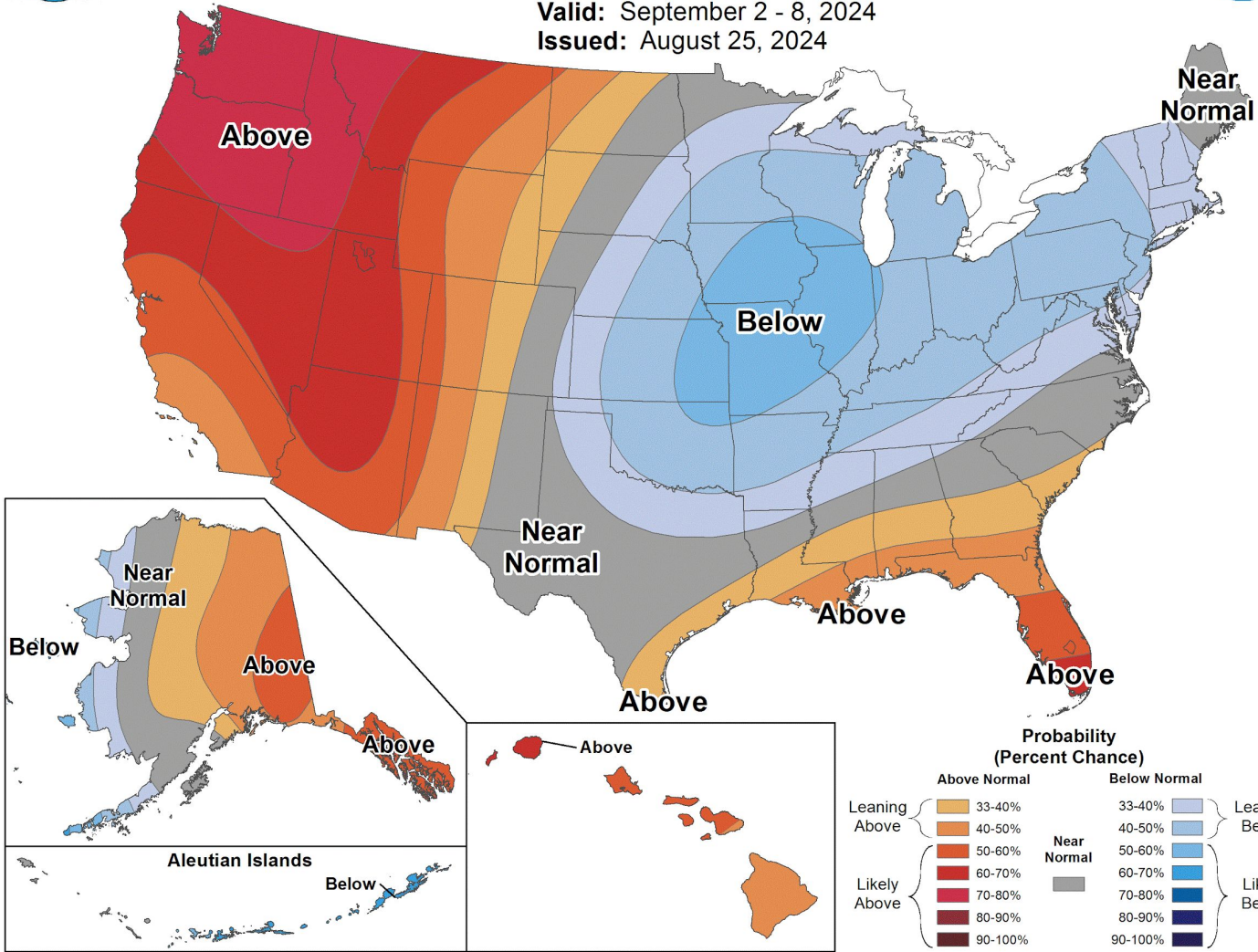
## 8 to 14 Day Temperature and Precipitation Outlooks



### 8-14 Day Temperature Outlook



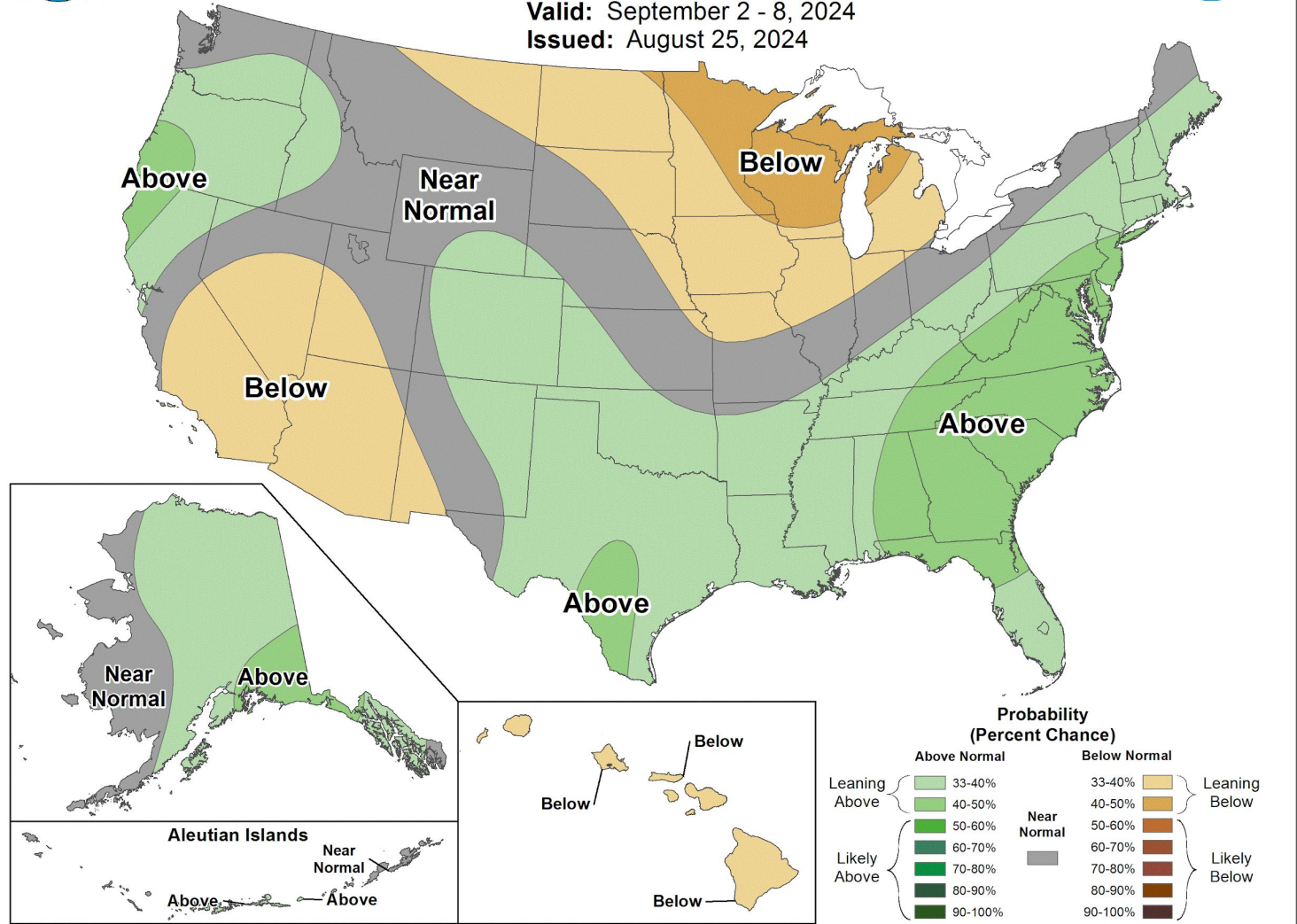
Valid: September 2 - 8, 2024  
Issued: August 25, 2024



### 8-14 Day Precipitation Outlook



Valid: September 2 - 8, 2024  
Issued: August 25, 2024







# Decision Support Briefing

August 26, 2024

4:57 AM

## Resources

### Local Resources:

[NWS Lincoln Decision Support Web Page](#)

[NWS Lincoln Event Ready Web Page](#)

[NWS Lincoln Main Web Page](#)

[NWS Lincoln Winter Weather Monitor](#)

[NWS Lincoln Probabilistic Snow/Ice Forecasts](#)

### National Resources:

[NWS Weather Prediction Center Precipitation Forecasts](#)

[NWS Weather Prediction Center Snowfall Forecast](#)

[NWS Storm Prediction Center Web Page](#)

[River Observations and Forecasts](#)

[AirNow: Air Quality Web Page](#)

[Experimental Heat Risk Page](#)



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