

# Average Weather On September 22 For Chicago, Illinois, USA

## Location

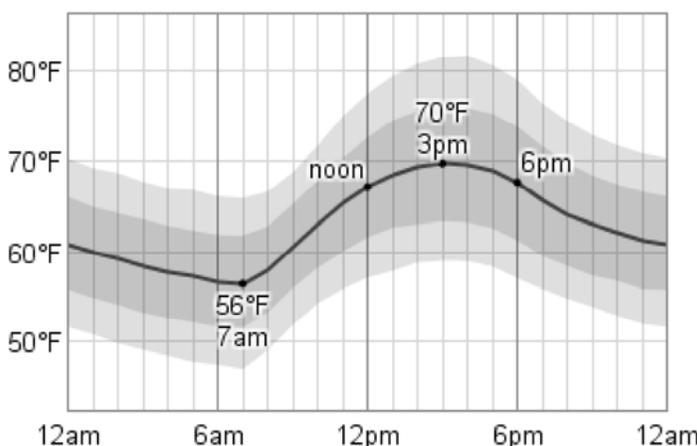
This report describes the typical weather at the Chicago Midway International Airport (Chicago, Illinois, United States) weather station over the course of an average September 22. It is based on the historical records from 1974 to 2012. Earlier records are either unavailable or unreliable.

Chicago, Illinois has a humid continental climate with hot summers and no dry season. The area within 25 miles of this station is covered by *built-up areas* (36%), *oceans and seas* (24%), *grasslands* (23%), *croplands* (14%), and *forests* (3%).

## Temperature

The temperature typically varies from 56°F to 70°F and is rarely below 47°F or above 82°F.

### Temperature



*Average hourly temperature (black) with percentil bands (inner band from 25th to 75th percentile, outer band from 10th to 90th percentile).*

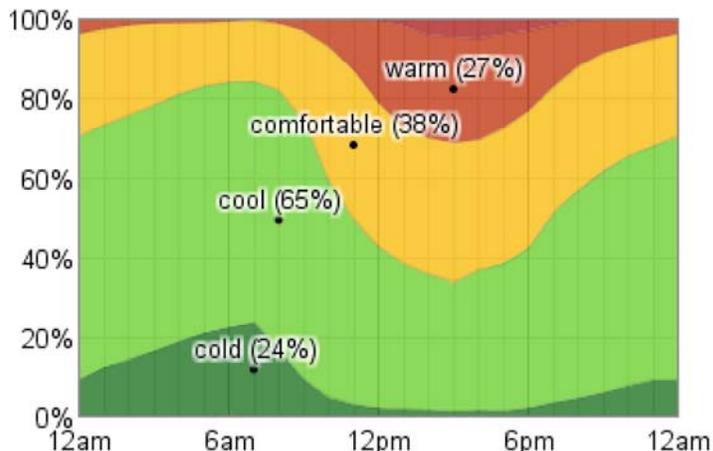
The coolest hours of the day are from 2am to 9am with the coldest at 7am, at which time the temperature is below 62°F three days out of four.

The warmest hours of the day are from noon to 6pm with the hottest at 3pm, at which time the temperature is above 63°F three days out of four.

The day has gained half its heat by 11am and lost it again by 9pm.

visited on 5/21/2015

### Temperature Bands



The average fraction of time spent in various temperature bands: frigid (below 15° F), freezing (15°F to 32°F), cold (32°F to 50°F), cool (50°F to 65°F), comfortable (65°F to 75°F), warm (75°F to 85°F), hot (85°F to 100°F) and sweltering (above 100°F).

### Plan a trip to:

Powered by [Hipmunk](#)

Chicago, Illinois, USA

May 2015

- Su
- M
- Tu
- W
- Th
- F
- Sa
- 26
- 27
- 28
- 29
- 30
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9

- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18
- 19
- 20
- 21
- 22
- 23
- 24
- 25
- 26
- 27
- 28
- 29
- 30
- 31
- 1
- 2
- 3
- 4
- 5
- 6
- June 2015
- Su
- M
- Tu
- W
- Th
- F
- Sa
- 31
- 1
- 2
- 3
- 4
- 5

- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18
- 19
- 20
- 21
- 22
- 23
- 24
- 25
- 26
- 27
- 28
- 29
- 30
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- July 2015
- Su
- M
- Tu
- W
- Th

F  
Sa  
28  
29  
30  
1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29  
30  
31  
1  
2  
3  
4  
5  
6

7  
8  
August 2015  
Su  
M  
Tu  
W  
Th  
F  
Sa  
26  
27  
28  
29  
30  
31  
1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26

- 27
- 28
- 29
- 30
- 31
- 1
- 2
- 3
- 4
- 5
- September 2015
- Su
- M
- Tu
- W
- Th
- F
- Sa
- 30
- 31
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18
- 19
- 20
- 21
- 22

23  
24  
25  
26  
27  
28  
29  
30  
1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
October 2015  
Su  
M  
Tu  
W  
Th  
F  
Sa  
27  
28  
29  
30  
1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12

- 13
- 14
- 15
- 16
- 17
- 18
- 19
- 20
- 21
- 22
- 23
- 24
- 25
- 26
- 27
- 28
- 29
- 30
- 31
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- November 2015
- Su
- M
- Tu
- W
- Th
- F
- Sa
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8

- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18
- 19
- 20
- 21
- 22
- 23
- 24
- 25
- 26
- 27
- 28
- 29
- 30
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- December 2015
- Su
- M
- Tu
- W
- Th
- F
- Sa

- 29
- 30
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18
- 19
- 20
- 21
- 22
- 23
- 24
- 25
- 26
- 27
- 28
- 29
- 30
- 31
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9

January 2016  
Su  
M  
Tu  
W  
Th  
F  
Sa  
27  
28  
29  
30  
31  
1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16  
17  
18  
19  
20  
21  
22  
23  
24  
25  
26  
27  
28  
29

visited on 5/21/2015

- 30
- 31
- 1
- 2
- 3
- 4
- 5
- 6
- February 2016
- Su
- M
- Tu
- W
- Th
- F
- Sa
- 31
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18
- 19
- 20
- 21
- 22
- 23
- 24
- 25

26  
27  
28  
29  
1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
March 2016  
Su  
M  
Tu  
W  
Th  
F  
Sa  
28  
29  
1  
2  
3  
4  
5  
6  
7  
8  
9  
10  
11  
12  
13  
14  
15  
16

- 17
- 18
- 19
- 20
- 21
- 22
- 23
- 24
- 25
- 26
- 27
- 28
- 29
- 30
- 31
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- April 2016
- Su
- M
- Tu
- W
- Th
- F
- Sa
- 27
- 28
- 29
- 30
- 31
- 1
- 2
- 3
- 4
- 5

- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15
- 16
- 17
- 18
- 19
- 20
- 21
- 22
- 23
- 24
- 25
- 26
- 27
- 28
- 29
- 30
- 1
- 2
- 3
- 4
- 5
- 6
- 7

From:  [×](#)

Travelers:

Rooms:

## Sun

On September 22 the Sun rises at 6:39am and sets at 6:47pm.

Solar noon is at 12:43pm.

For reference, on the longest day of the year the Sun rises at 5:15am and sets at 8:29pm, while on the shortest day of the year it rises at 7:15am and sets at 4:23pm.

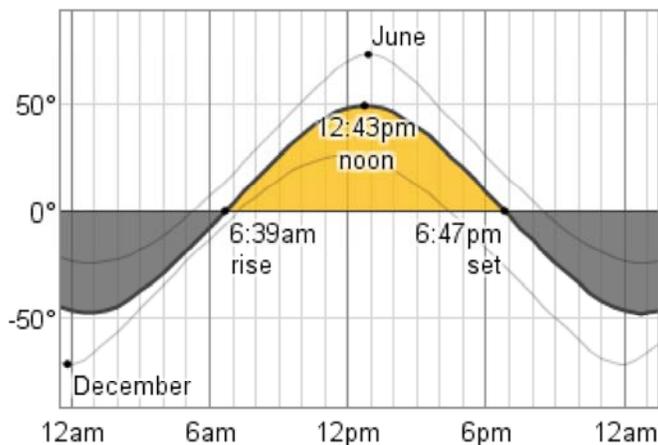
*Astronomical* twilight begins and ends 93 minutes before sunrise and after sunset at 5:05am and 8:20pm, respectively.

*Nautical* twilight begins and ends 60 minutes before sunrise and after sunset at 5:38am and 7:47pm, respectively.

*Civil* twilight begins and ends 28 minutes before sunrise and after sunset at 6:11am and 7:15pm, respectively.

*Solar twilight* begins and ends 36 minutes after sunrise and before sunset at 7:15am and 6:11pm, respectively.

### Solar Elevation



*Elevation of the Sun above (positive) or below (negative) the horizon (black line). Yellow and gray fills indicate day and night, respectively. Light gray lines are the corresponding curves for the winter and summer equinoxes.*

## Clouds

The median cloud cover ranges from 52% (partly cloudy) to 78% (partly cloudy).

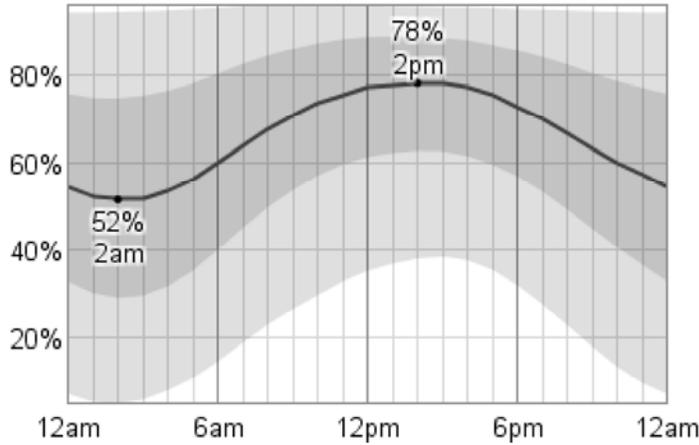
At 2am, the *clearest time* of the day, the sky is *clear, mostly clear, or partly cloudy* 56% of the time, and *overcast or mostly cloudy* 43% of the time.

At 2pm, the *cloudiest time* of the day, the sky is *overcast, mostly cloudy, or partly cloudy* 75% of the time, and *clear or mostly clear* 25% of the time.

The sky is typically clearing in earnest by 9pm.

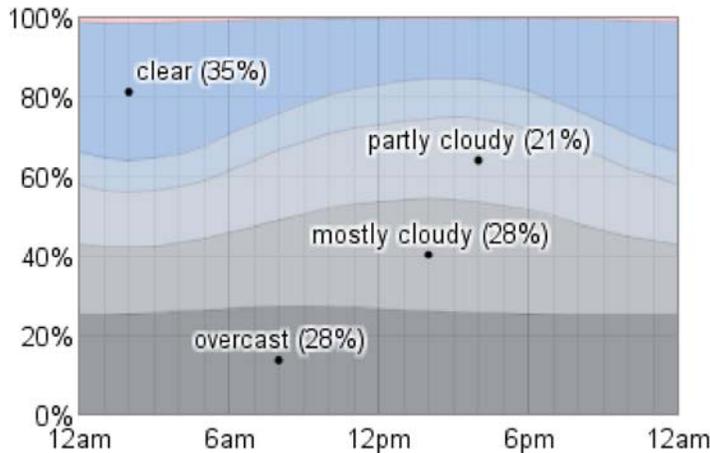
The clouds have typically started forming in earnest by 8am.

### Median Cloud Cover



Median hourly cloud coverage fraction (black line) with percentile bands (inner band from 40th to 60th percentile, outer band from 25th to 75th percentile).

### Cloud Cover Types



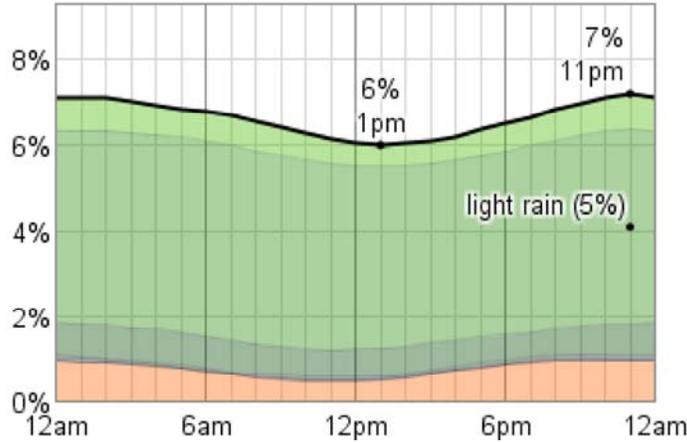
The fraction of time spent in each of the five sky cover categories. From top (most blue) to bottom (most gray), the categories are clear, mostly clear, partly cloudy, mostly cloudy, and overcast. Pink indicates missing data. Outside the United States clear skies are often reported ambiguously, leading them to be lumped in with the missing data.

## Precipitation

There is a 35% chance that precipitation will be observed at some point during the day.

The average measured liquid-equivalent quantity of precipitation is 0.087". Among only those days for which there is at least some measured precipitation, the average is 0.334" and the total rarely exceeds 0.748".

### Probability of Precipitation

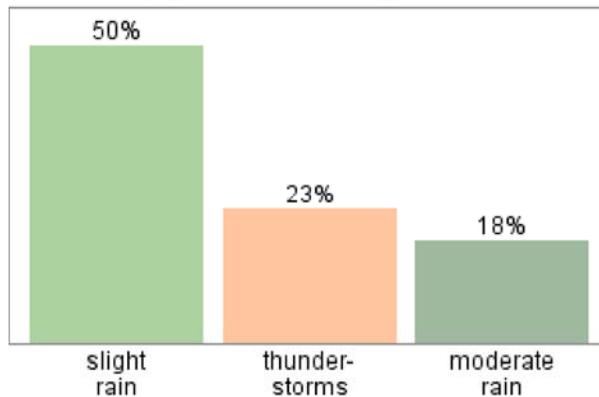


The fraction of days in which various types of precipitation are observed. If more than one type of precipitation is reported in a given day, the more severe precipitation is counted. For example, if light rain is observed in the same day as a thunderstorm, that day counts towards the thunderstorm totals. The order of severity is from the top down in this graph, with the most severe at the bottom.

When precipitation does occur it is most often in the form of slight rain (50% of days with precipitation have at worst slight rain), thunderstorms (23%), and moderate rain (18%).

Precipitation is most likely around 11pm and least likely around 1pm.

### Types of Precipitation



Relative frequency of various types of precipitation over the course of a typical September 22.

### Snow

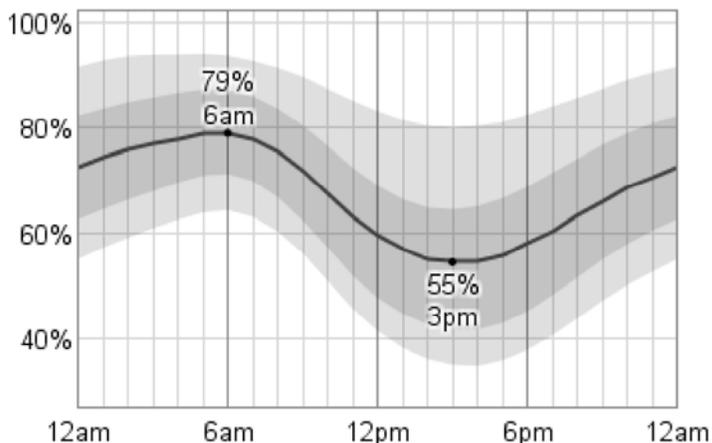
Either snow is exceptionally unlikely to fall at this location on September 22 or this station does not reliably report precipitation types.

## Humidity

The relative humidity typically ranges from 55% (mildly humid) to 79% (humid), rarely dropping below 35% (comfortable), or exceeding 94% (very humid).

The air is *driest* at 3pm, at which time the relative humidity is less than 65% (mildly humid) three days out of four; it is *most humid* at 6am, exceeding 71% (humid) three days out of four.

### Relative Humidity



*Average hourly humidity (black line) with percentile bands (inner bands from 25th to 75th percentile, outer bands from 10th to 90th percentile).*

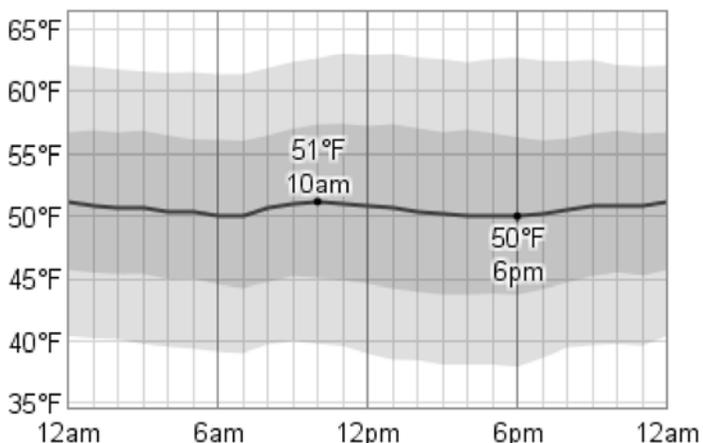
## Dew Point

The dew point ranges from 50°F to 51°F with an average of 51°F.

For reference, comfortable indoor conditions should have a relative humidity between 30% and 50% with a dew point of less than 65°F.

visited on 5/21/2015

## Dew Point



*Average hourly dew point (black line) with percentile bands (inner bands from 25th to 75th percentile, outer bands from 10th to 90th percentile).*

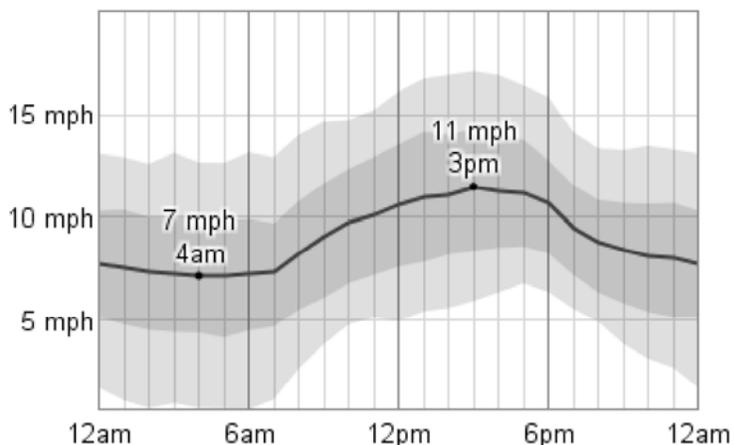
## Wind

Sustained wind speeds typically vary from 7 mph to 11 mph (light breeze to gentle breeze) over the course of the day.

The peak sustained wind speed typically occurs around 3pm and is rarely outside the range 6 mph to 17 mph (light breeze to moderate breeze).

The wind is most calm around 4am, rarely exceeding 13 mph (moderate breeze).

## Wind Speed

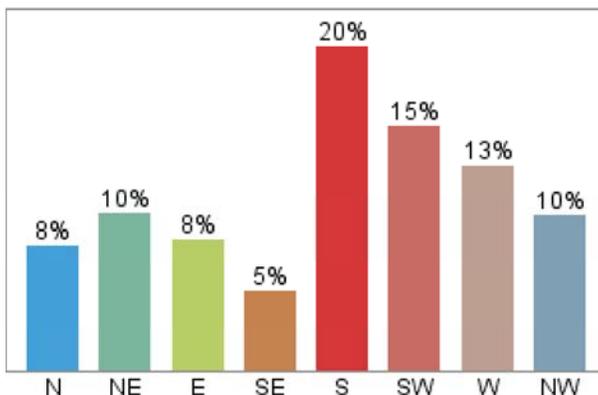


*Average hourly wind speed (black line) with percentile bands (inner bands from 25th to 75th percentile, outer bands from 10th to 90th percentile).*

The wind is most often out of the south (20% of the time), south west (15% of the time), and west (13% of the time).

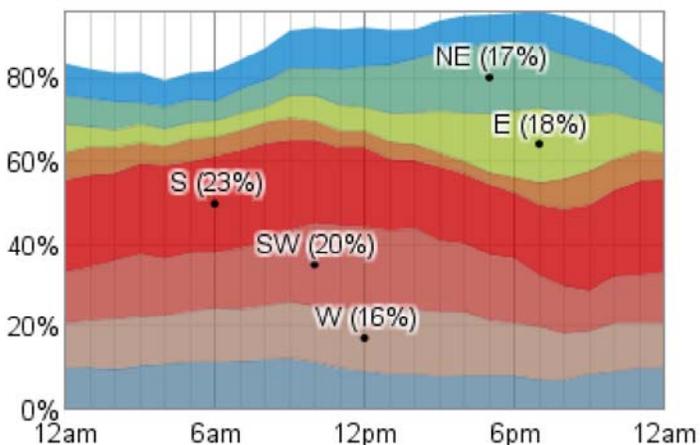
visited on 5/21/2015

### Wind Directions



*The fraction of time spent with the wind blowing from the various directions over the entire day. Values do not sum to 100% because the wind direction is undefined when the wind speed is zero.*

### Wind Directions Over Day



*The fraction of time spent with the wind blowing from the various directions on an hourly basis. Values do not sum to 100% because the wind direction is undefined when the wind speed is zero.*

© Cedar Lake Ventures, Inc