



# **CLIMATE AND WEATHER REPORT**

**2025**





# LA28 GAMES FOOTPRINT







# PARALYMPIC GAMES PLAN

## KEY VENUES

**To Be Confirmed**  
 Para Marathon - Finish, Para Cycling Road, Para Powerlifting

As of July 15, 2025 - Version 2 - All names and venues subject to change.



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## 3. 2025 Oklahoma City, Oklahoma Climate and Weather Report

- A. [Introduction to Oklahoma City](#)
- B. [Sky Graphics](#)
- C. [Weather Data in OKC](#) – Temperature, Rainfall, Humidity, Wind, and Lightning



# INTRODUCTION TO SOUTHERN CALIFORNIA



# Introduction To **SOUTHERN CALIFORNIA**

Climate information is provided for the main grouping areas identified on the LA28 Venue Plan as well as for several stand-alone venues. The main groupings are the Valley Zone, the DTLA and Exposition Zones, the Carson and Inglewood Zones, and the Long Beach Zone. Note that all of these sites are within 56 km of each other, so there are not large climatological differences, except in temperature.

In general, the warmest temperatures will be at the most inland locations, like the Valley Zone. Coastal locations will be several degrees cooler, as the cool marine layer acts as a natural cooling system. However, the coastal areas can experience heat events. This happens during certain offshore wind events [i.e. winds that blow from the land towards the ocean] when that cool marine layer is limited in how much it can move inland and cool temperatures. The wind direction at the Valley Zone also differs from general northeasterly winds.

There is virtually no difference in the precipitation records among the venues, and there is almost never precipitation in Los Angeles County during July and August aside from drizzle.

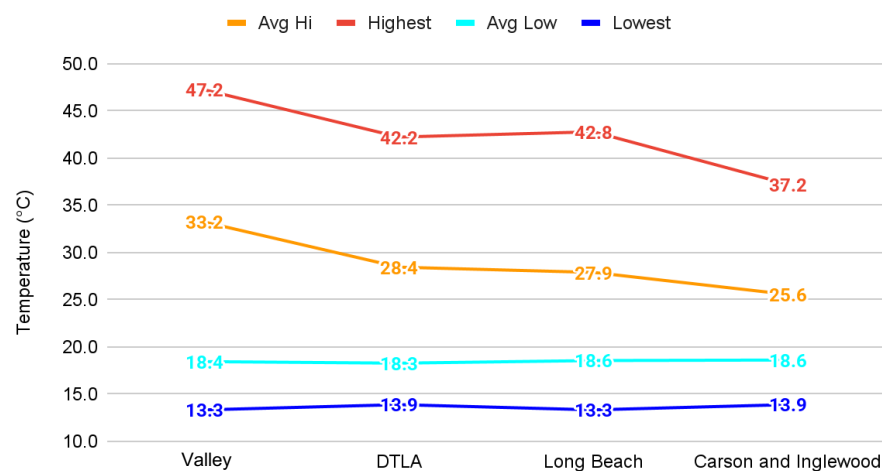


# Introduction To SOUTHERN CALIFORNIA

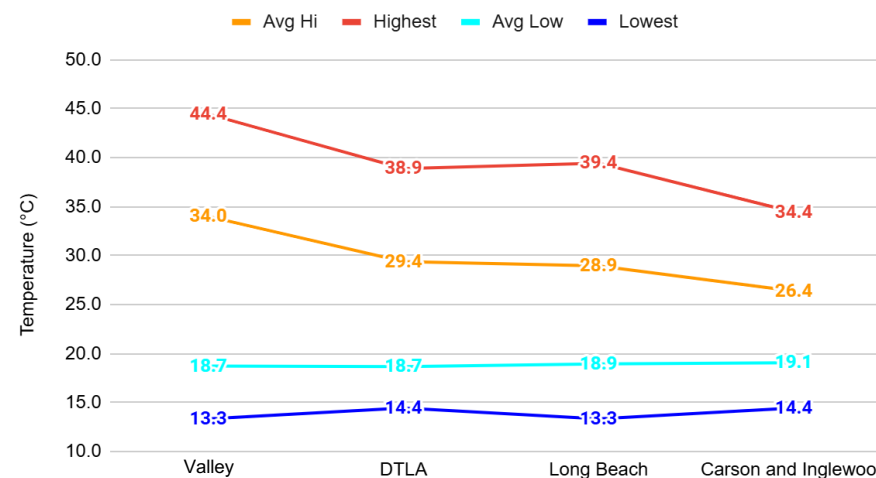


Los Angeles is in Southern California and encompasses a diverse climate influenced by the landscape and nearby Pacific Ocean. Known for its Mediterranean climate, Los Angeles sees cool, wet winters and warm, dry summers. However, new extremes have occurred with the Southwest monsoon and weakening eastern Pacific hurricanes which create the potential for unusual wet extremes to go along with ever more frequent heat extremes.

Los Angeles Area Venues July Temperature Comparison (C)



Los Angeles Area Venues August Temperature Comparison (C)



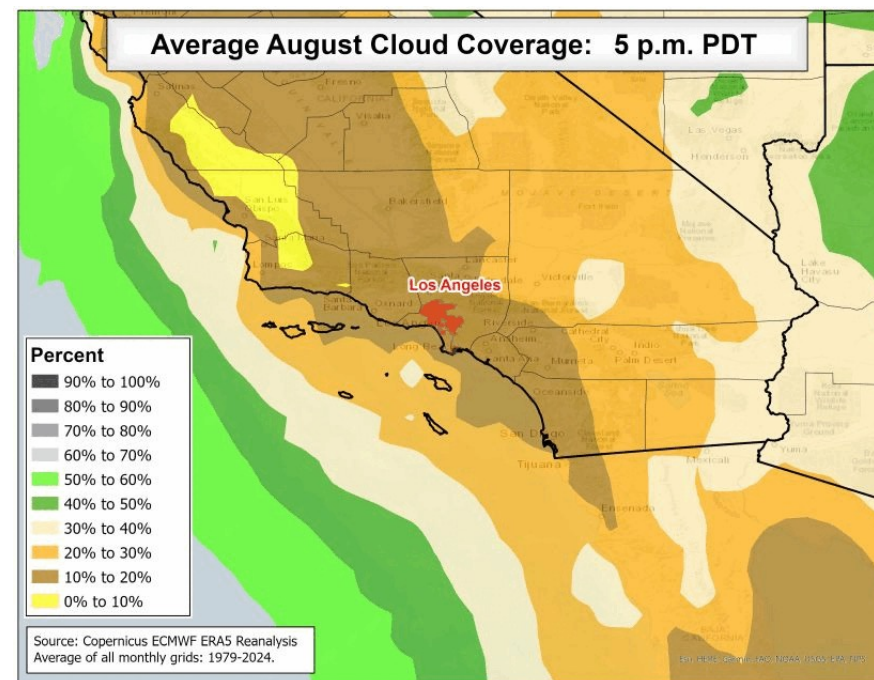
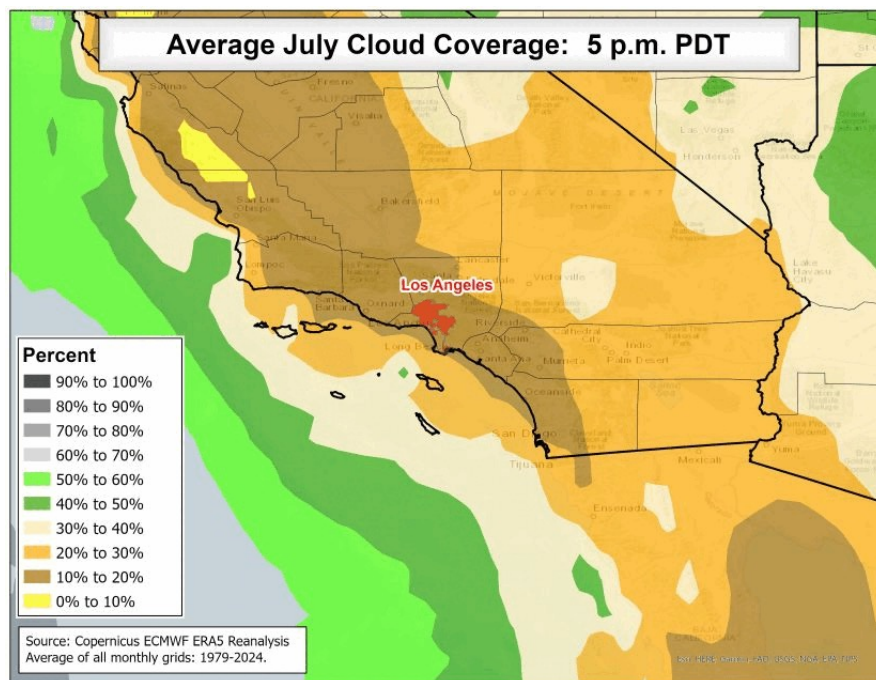
## Southern California Temperature Comparison July Averages between 2004 – 2025

## Southern California Temperature Comparison August Averages between 2004 – 2025

# SKY

## Southern California

**Summary:** Warm and dry air descending from the Pacific high caps cool, ocean-modified air under a strong inversion producing a marine layer. The marine layer is the prominent weather feature for the Los Angeles Basin for most of spring [March-May] through early fall [September]. Daily variations in the strength of the Pacific high result in variations in the depth and coverage of the marine layer, which typically thickens and advances inland during the night and early morning hours before "burning off" to hazy sunshine around midday.



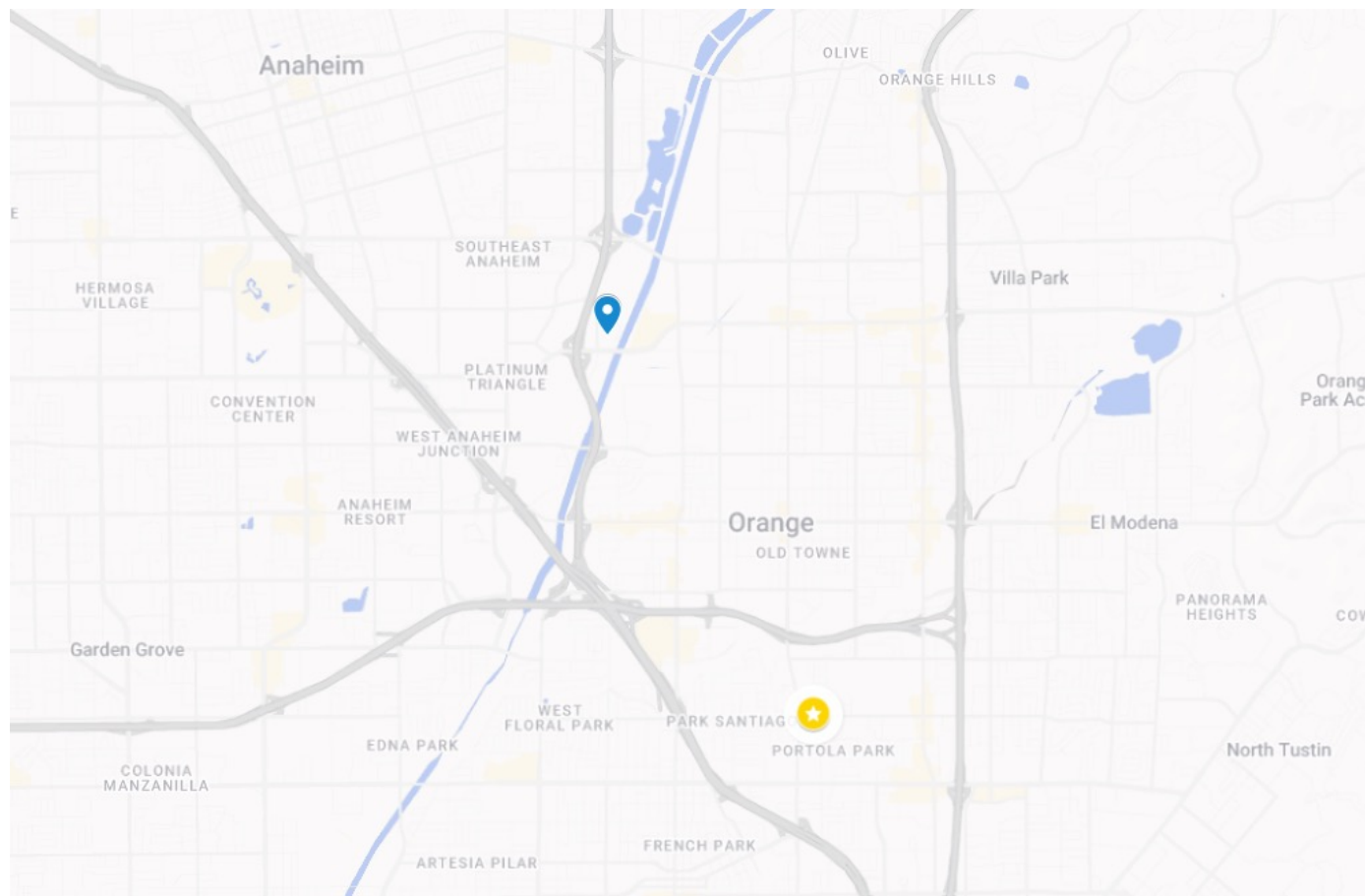
# ANAHEIM ZONE



- **Honda Center**



# Introduction to Anaheim Zone



## COMPETITION VENUES VS. WEATHER STATION

- Temperatures: Similar
- Wind: Similar
- Rainfall: Similar



**WEATHER STATION**



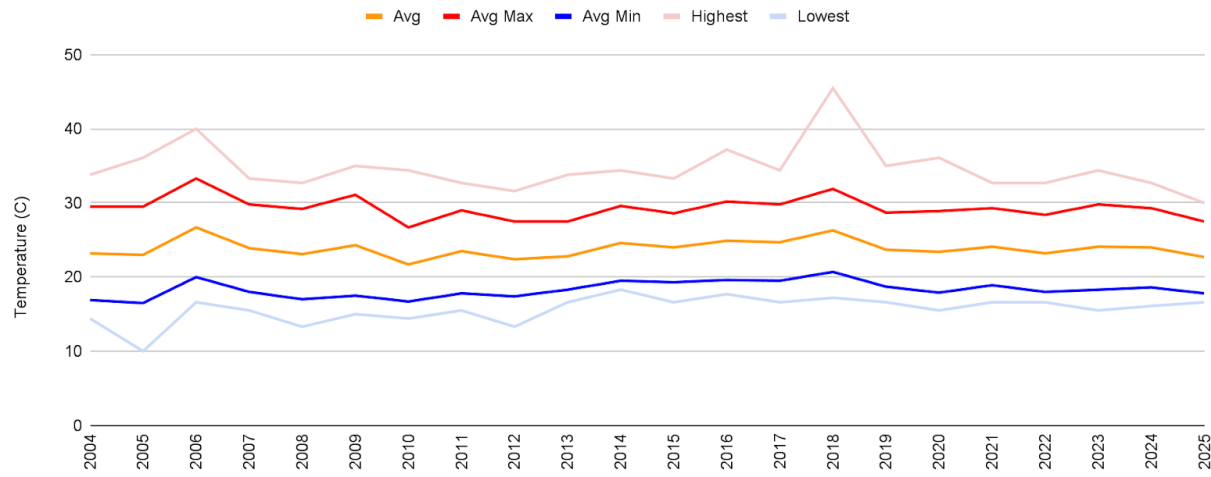
**COMPETITION VENUE**

**Note:** Data from the Santa Ana Fire Station climate station was selected as most representative for the conditions at the Honda Center in Anaheim. This station is located in downtown Santa Ana, about 4.4 miles south of the Honda Center.

# Historical Averages of JULY TEMPERATURE

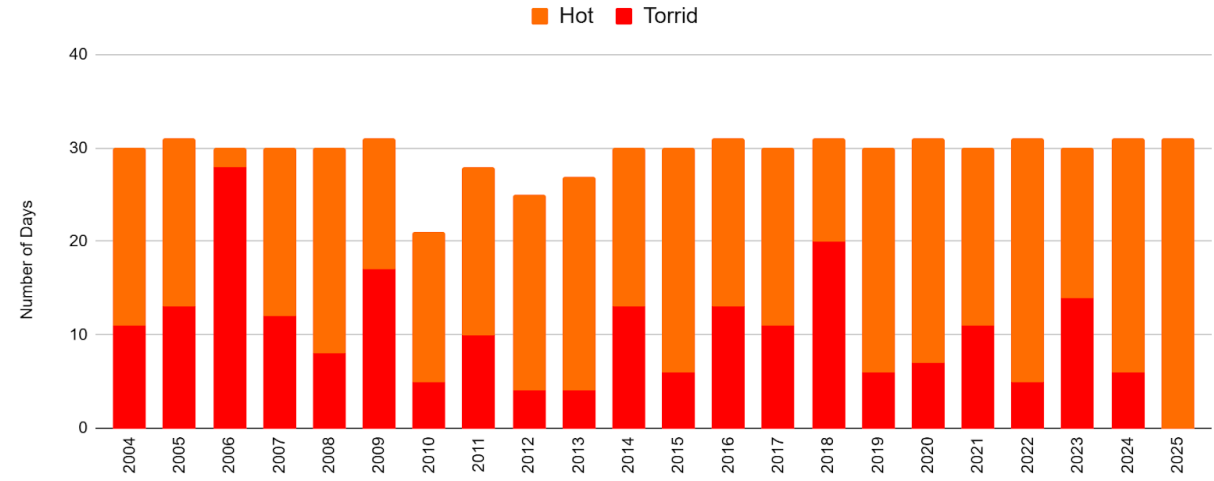
**Minimum and Maximum Daily Temperatures**  
Averages between 2004 – 2025

July Temperature (C) - Santa Ana



**Number of Hot Days (25°-30° C) and Torrid Days (> 30° C)**  
Averages between 2004 – 2025

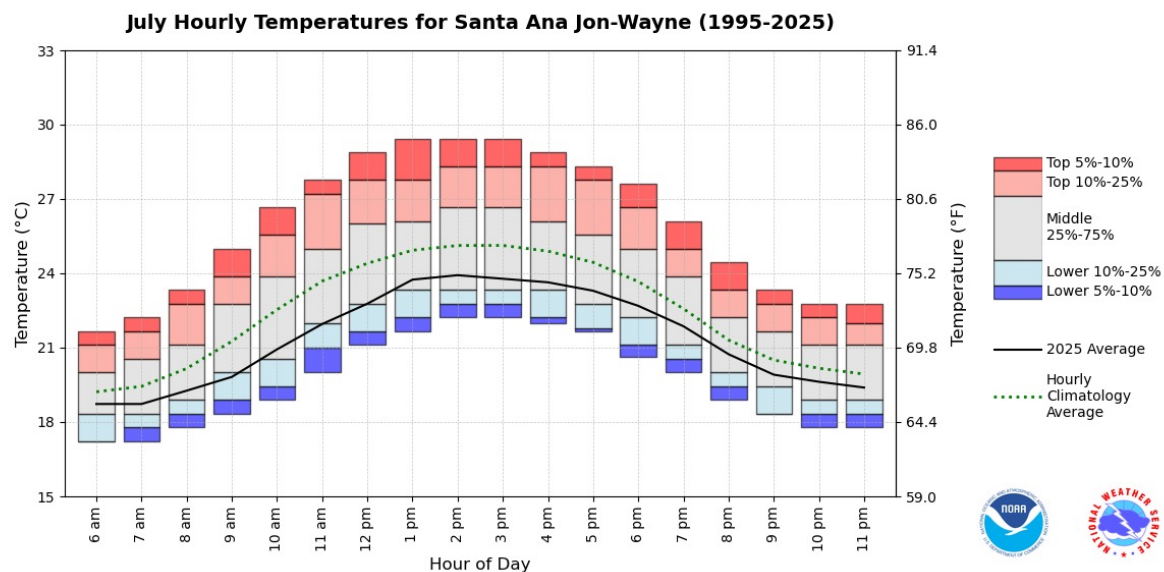
July Hot/Torrid Days: Santa Ana



Minimum Temp. Records		Maximum Temp. Records	
Lowest Temp	10.0° C in 2005	Highest Temp	45.6° C in 2018

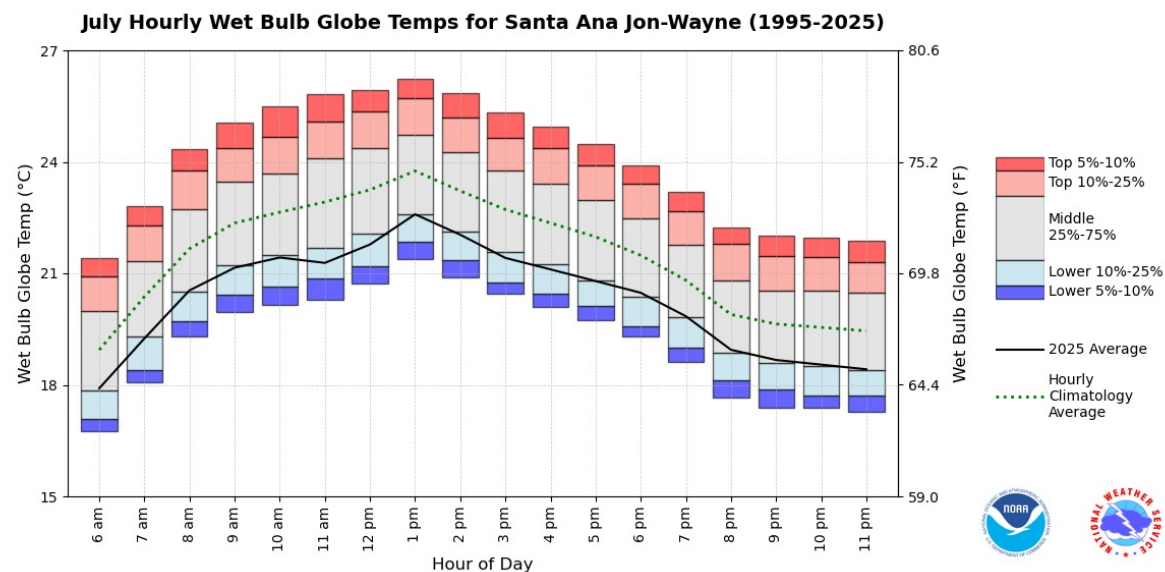
# Historical Averages of JULY TEMPERATURE

## Hourly Temperature Averages between 1995 – 2025



On average, hourly July temperatures at John Wayne Santa Ana Airport peak between the hours of 1pm-3pm. The most extreme [top 5%] temperature values at Santa Ana exceed 28°C and mid-day values almost always exceed 22°C. Overall, 2025 was cooler than average at this location.

## Hourly Wet Bulb Globe (WBGT) Temperature Averages between 1995 – 2025



On average, hourly July wet bulb globe temperatures [WBGT] at John Wayne Santa Ana Airport peak around 1pm. The most extreme [top 5%] WBGT values at Santa Ana exceed 25°C and mid-day values almost always exceed 20°C. Overall, 2025 was much cooler than average at this location.

# July Temperature

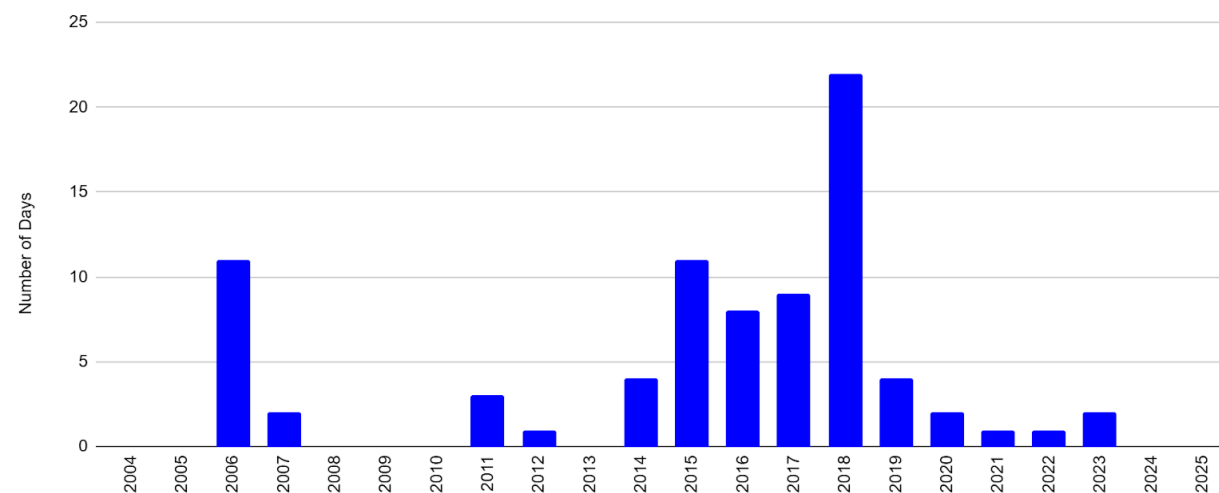
**July 2025 compared to 20-yr. average:** There were 62 hot days in July 2025 [compared to 61, the 22-year average], 16 torrid days [compared to 24, the 22-year average], and 7 tropical nights [compared to 9, the 22-year average]. There was no recorded precipitation during July 2025.

- **Monthly Average:** 23.9° C
- **Monthly Average Max:** 27.5 °C
- **Monthly Average Min:** 17.9° C
- **Warmest Temp:** 30° C , July 10<sup>th</sup>
- **Coolest Temp:** 16.7° C, July 8<sup>th</sup>

## Cumulative Numbers of Tropical Nights (> 20° C) in a 10-day Period

Sums from 2006 – 2025 [KONT]

July Tropical Nights: Santa Ana



# Historical Averages of WIND

The wind is described by the direction from which it blows and its speed. Both parameters change according to the period of the day.

The wind rose diagram depicts it graphically:

- Each branch refers to one direction [N, NE, E, SE, S, SW, W, NW] and its length indicates the frequency of this direction [%].
- The colors refer to the speed ranges [speed in m/s].
- The wind is calm when its speed is less than 3.2 km/h.

## July Wind

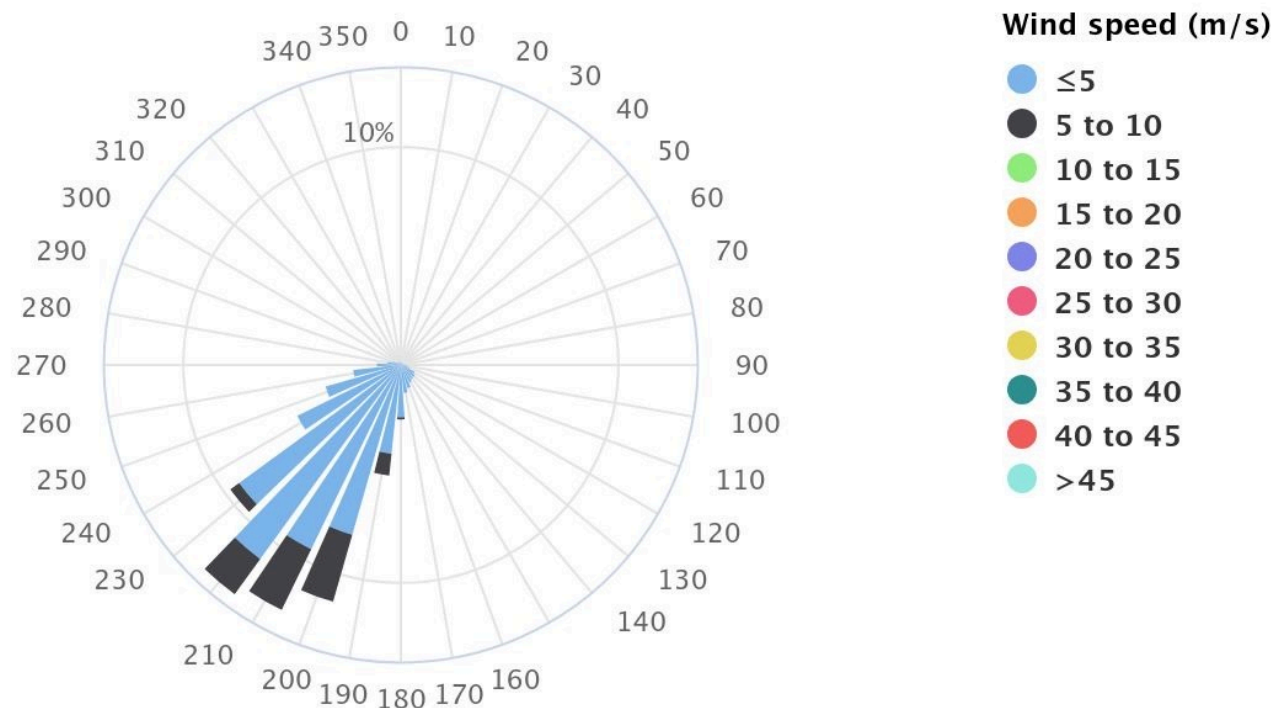
Percent averages from 2006 – 2025 at Santa Ana John Wayne Airport

### SANTA ANA JOHN WAYNE AP, CA

Percent of winds blowing from the indicated direction

Date range: 2005-07-01 through 2025-07-31

Day filter: 07-01 through 07-31



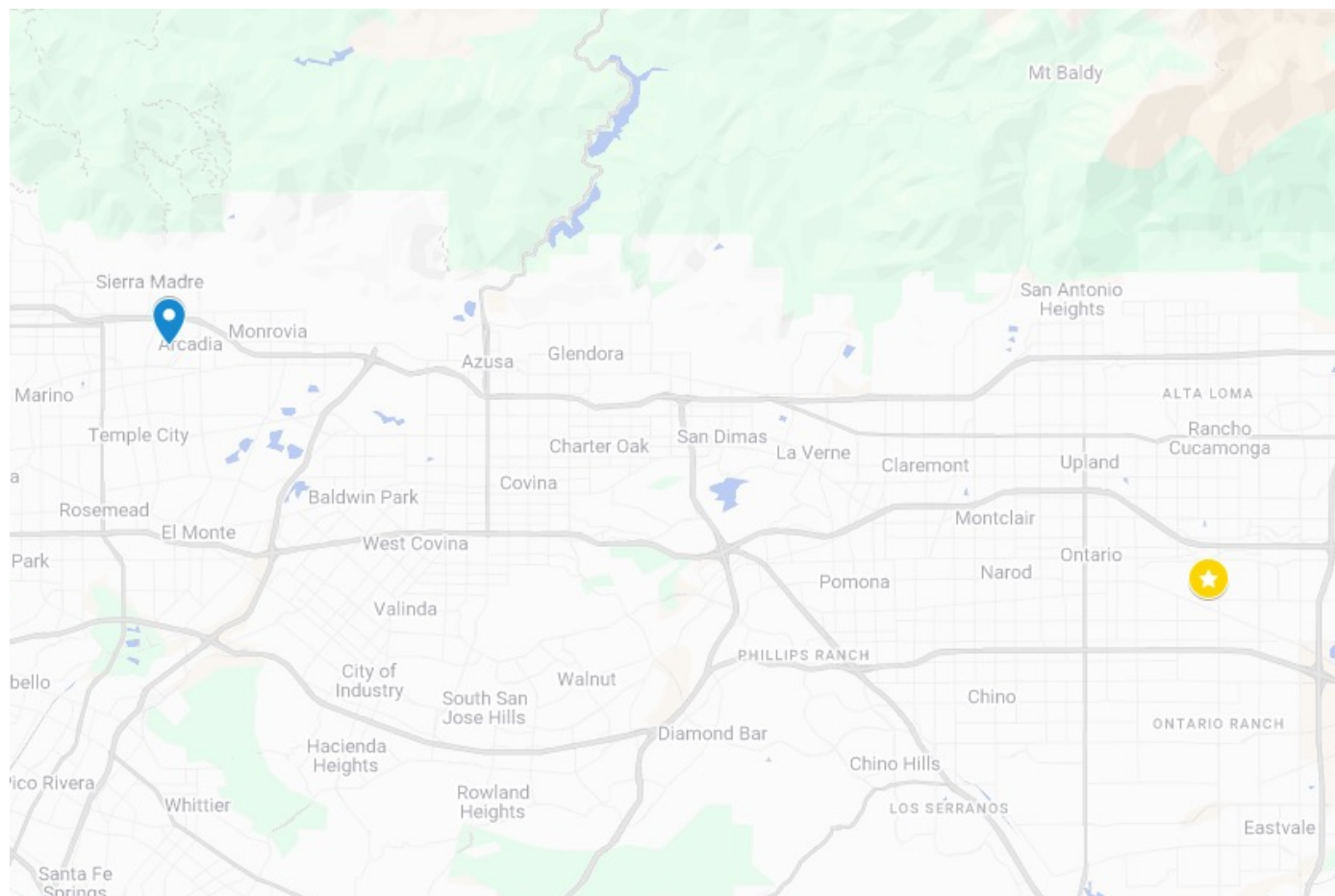
# ARCADIA ZONE



- **Santa Anita Park**



# Introduction to Arcadia Zone



## COMPETITION VENUES VS. WEATHER STATION

- Temperatures: 2-3 °C cooler at venue
- Wind: Similar
- Rainfall: Less prone to precipitation at venue



**WEATHER STATION**



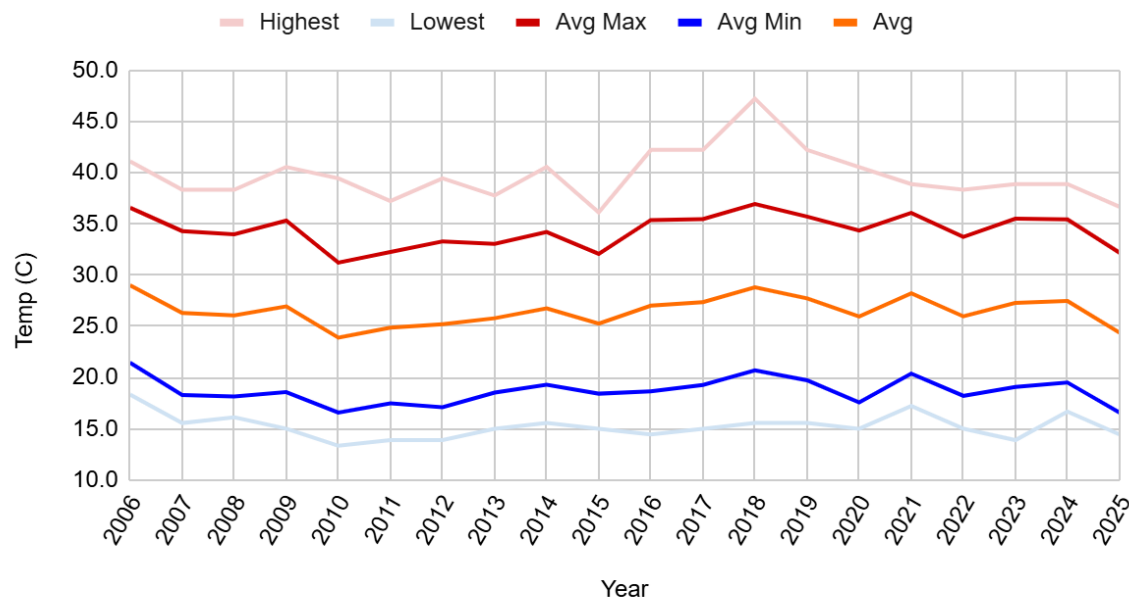
**COMPETITION VENUE**

**Note:** The climate site used for the Arcadia Zone is the sensor at the Ontario International Airport [KONT]. Santa Anita is 41.8 km WNW of the airport, making it the furthest venue from a climate station. Ontario was chosen as it is a true climate site, with better data than some closer weather stations. It will likely be a few degrees 2-3 °C warmer, and slightly more prone to precipitation, than Santa Anita. It is possible that by the 2026 report a better climate station could be used.

# Historical Averages of JULY TEMPERATURE

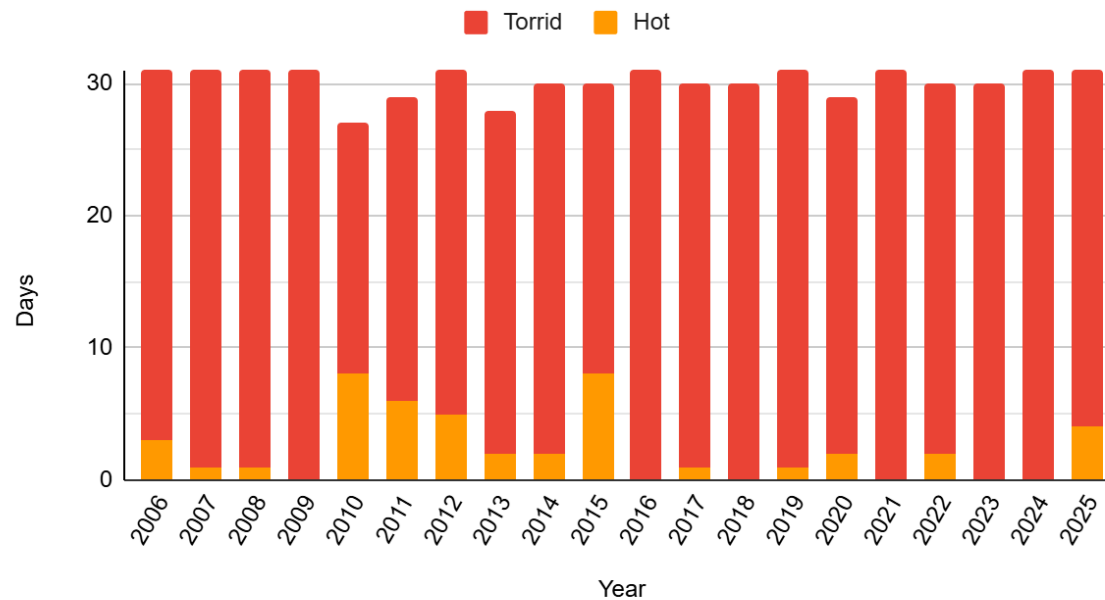
**Minimum and Maximum Daily Temperatures**  
Averages between 2006 – 2025 [KONT]

Ontario CA Airport July Temperatures (C)



**Number of Hot Days (25°-30° C) and Torrid Days (> 30° C)**  
Averages between 2006 – 2025 [KONT]

Ontario CA Airport July Hot and Torrid Days

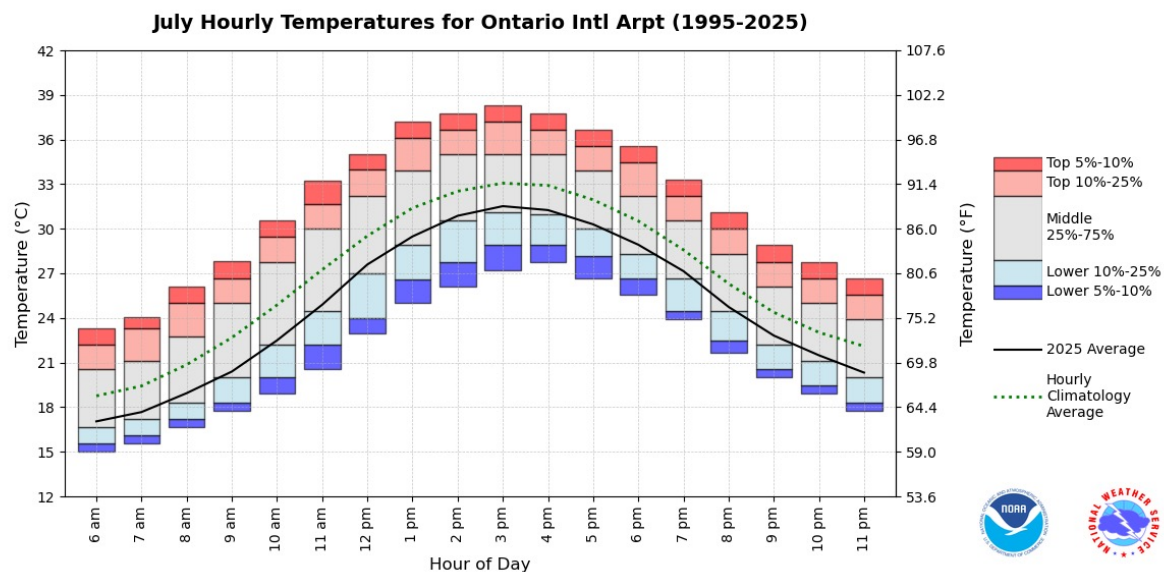


Minimum Temp. Records		Maximum Temp. Records	
Lowest Temp	13.3° C in 2010	Highest Temp	47.2° C in 2018

# Historical Averages of JULY TEMPERATURE

## Hourly Temperature

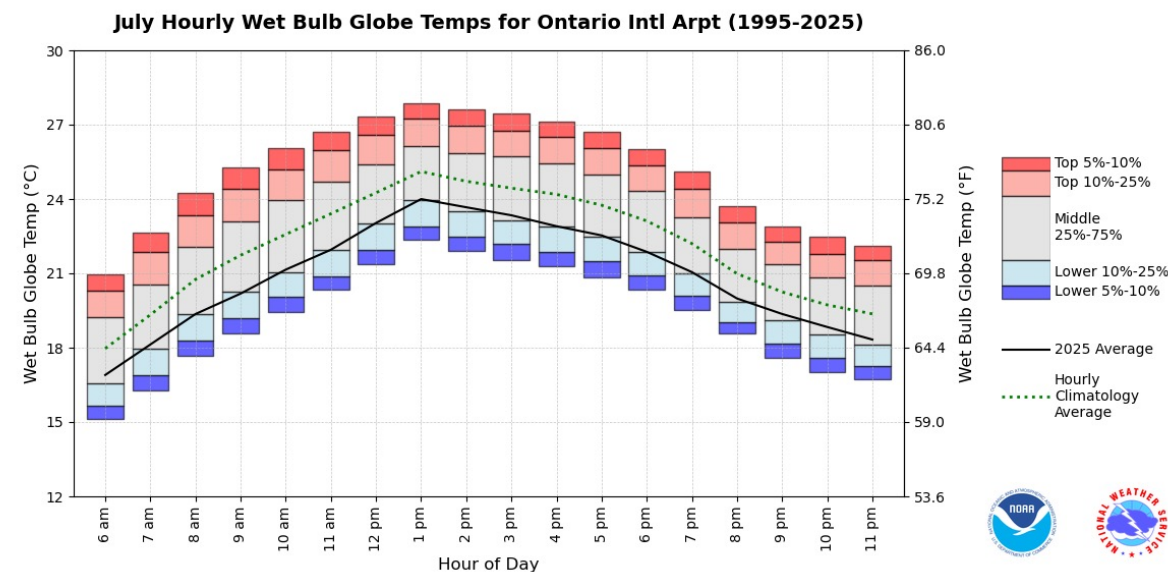
Averages between 1995 – 2025 [KONT]



On average, hourly July temperatures at Ontario International Airport peak between the hours of 1pm-5pm. The most extreme [top 5%] temperature values at Ontario exceed 35°C and mid-day values almost always exceed 25°C. Overall, 2025 was cooler than average at this location.

## Hourly Wet Bulb Globe (WBGT) Temperature

Averages between 1995 – 2025 [KONT]



On average, hourly July wet bulb globe temperatures [WBGT] at Ontario International Airport peak around 1pm. The most extreme [top 5%] WBGT values at Ontario exceed 27°C and mid-day values almost always exceed 21°C. Overall, 2025 was cooler than average at this location.

# July Temperature

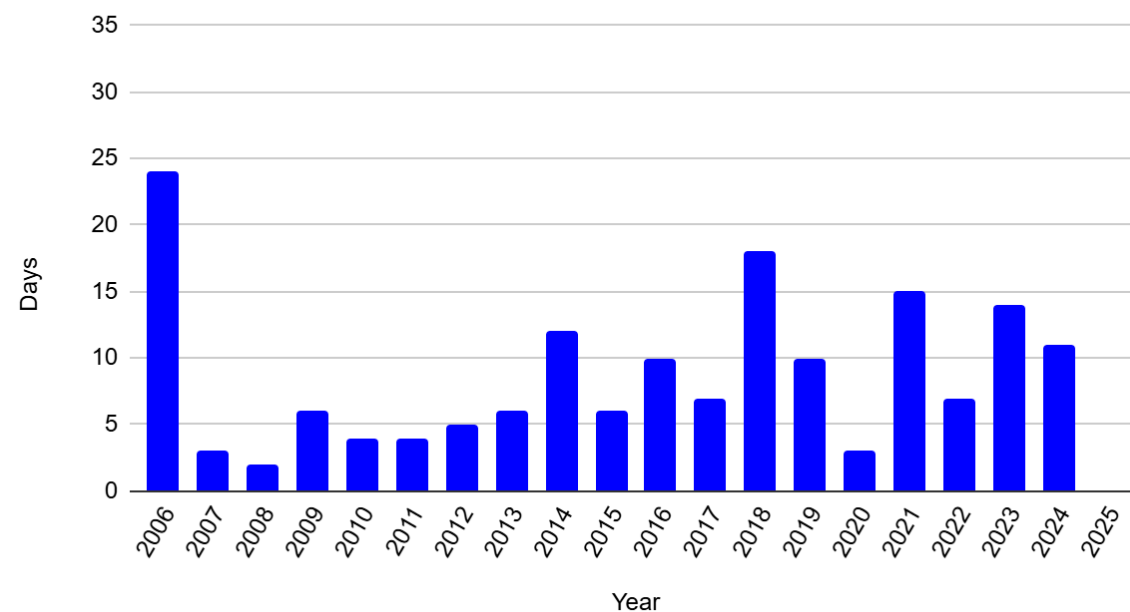
**July 2025 compared to 20-yr. average:** There were 4 Hot days [vs 2.3 normal in 20-year average], 27 Torrid days [vs 27.9 normal], and 0 Tropical nights [vs 8.4 normal]. There was no recorded precipitation during July 2025.

- **Monthly Average:** 24.4° C
- **Monthly Average Max:** 32.2 °C
- **Monthly Average Min:** 16.6° C
- **Warmest Temp:** 36.7° C , July 10<sup>th</sup>
- **Coollest Temp:** 14.4° C, July 2<sup>nd</sup> and July 26<sup>th</sup>

## Cumulative Numbers of Tropical Nights (> 20° C) in a 10-day Period

Sums from 2006 – 2025 [KONT]

Ontario CA Airport July Tropical Nights

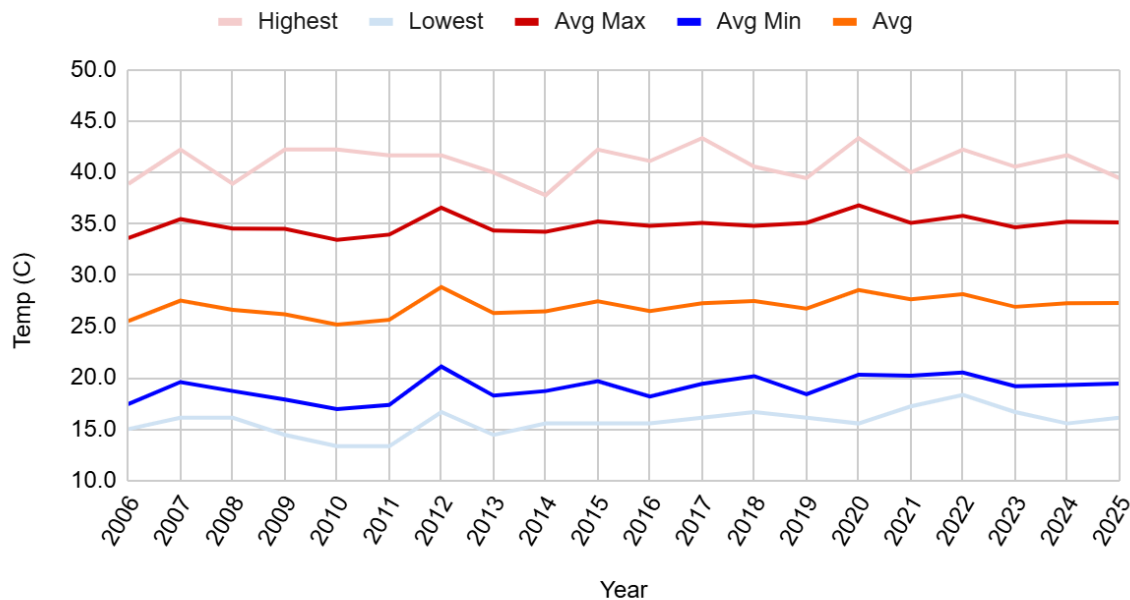


# Historical Averages of AUGUST TEMPERATURE

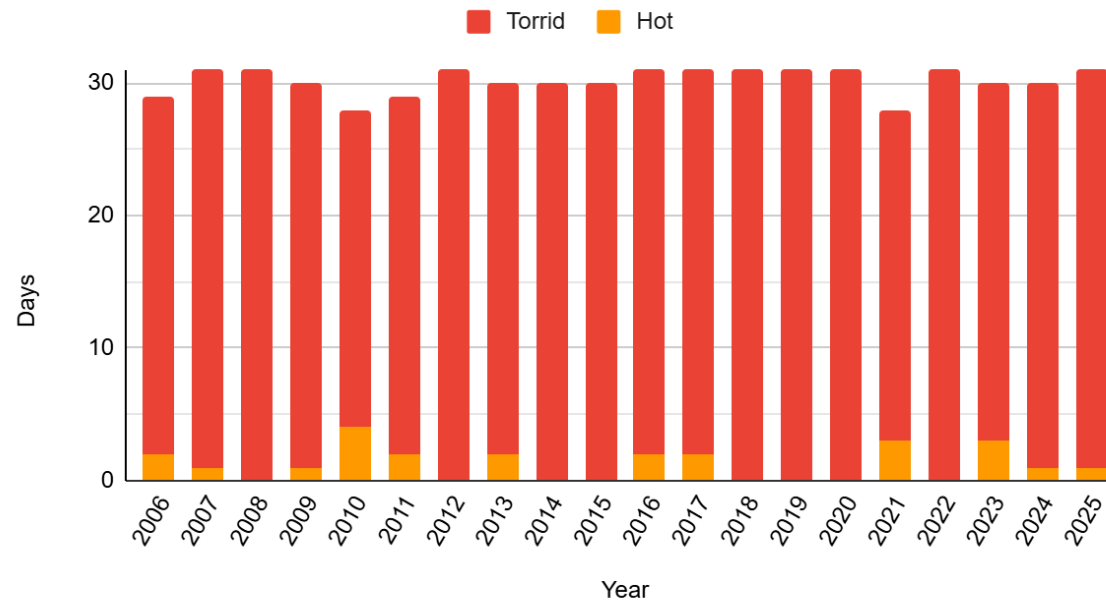
**Minimum and Maximum Daily Temperatures**  
Averages between 2006 – 2026 [KONT]

**Number of Hot Days (25°-30° C) and Torrid Days (> 30° C)**  
Averages between 2006 – 2025 [KONT]

Ontario CA Airport August Temperatures (C)



Ontario CA Airport August Hot and Torrid Days

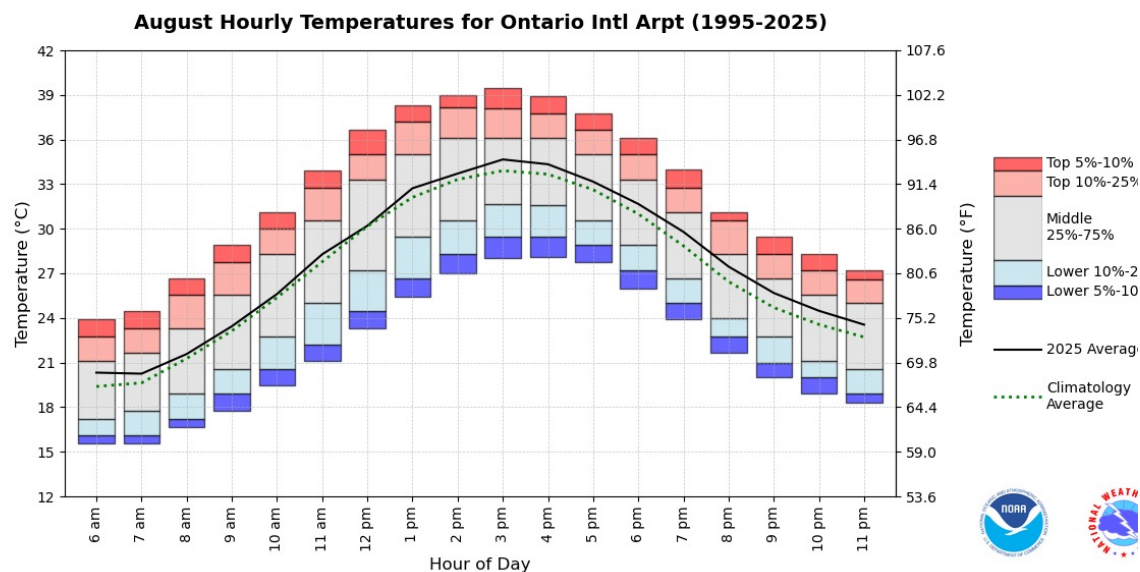


Minimum Temp. Records		Maximum Temp. Records	
Lowest Temp	13.3° C in 2009, 2011	Highest Temp	43.3° C in 2017

# Historical Averages of AUGUST TEMPERATURE

## Hourly Temperature

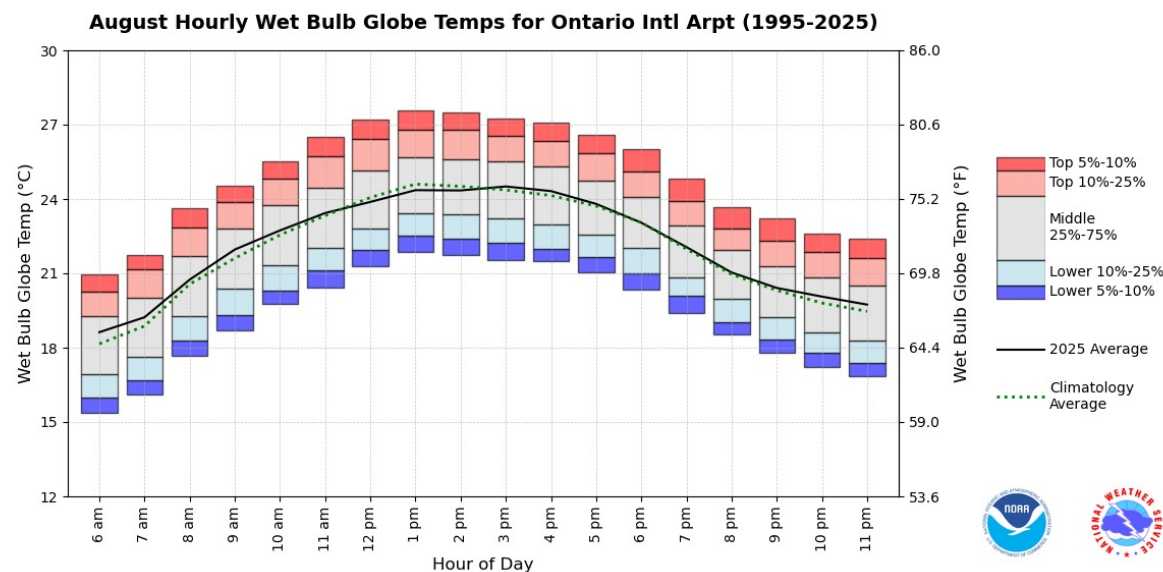
Averages between 1995 – 2025 [KONT]



On average, hourly August temperatures at Ontario International Airport peak between the hours of 1pm-5pm. The most extreme [top 5%] temperature values at Ontario exceed 37°C and mid-day values almost always exceed 25°C. Overall, 2025 was typical compared to the average at this location.

## Hourly Wet Bulb Globe (WBGT) Temperature

Averages between 1995 – 2025 [KONT]



On average, hourly August wet bulb globe temperatures (WBGT) at Ontario International Airport peak around 1pm. The most extreme [top 5%] WBGT values at Ontario exceed 27°C and mid-day values almost always exceed 21°C. Overall, 2025 was typical compared to the average at this location.

# August Temperature

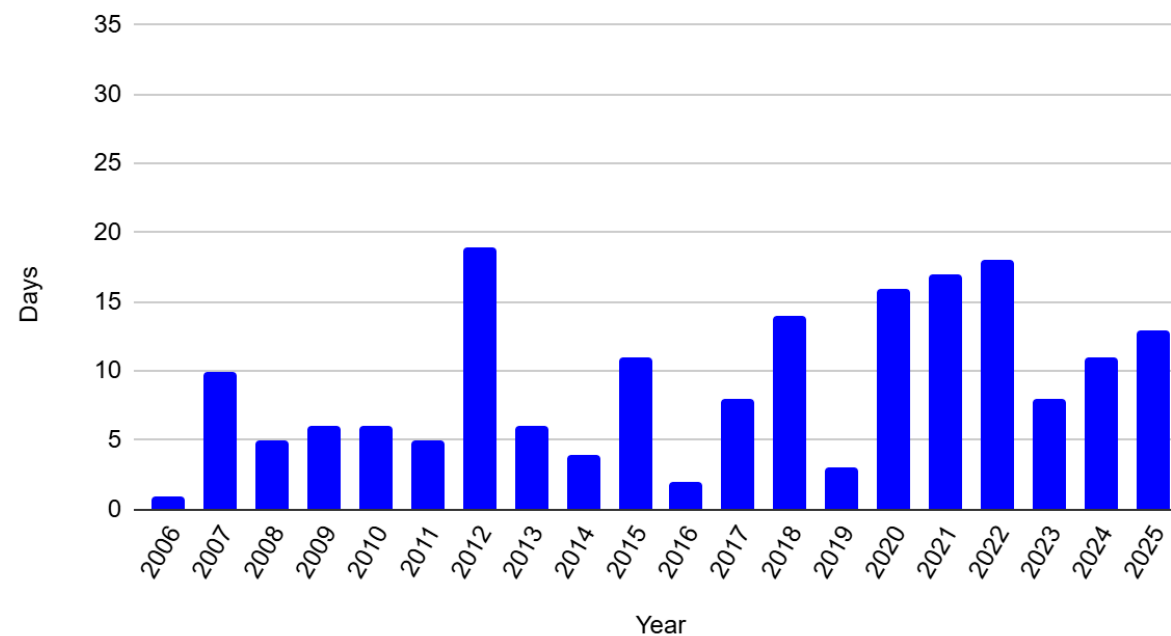
**August 2025 compared to 20-yr. average:** There was 1 Hot day [vs 1.2 normal in 20-year average], 30 Torrid days [vs 29 normal], and 13 Tropical nights [vs 9.2 normal]. There was one day with a trace of recorded precipitation during August 2025.

- **Monthly Average:** 22.9° C
- **Monthly Average Max:** 35.1 °C
- **Monthly Average Min:** 19.4° C
- **Warmest Temp:** 39.4° C , occurred three times
- **Coollest Temp:** 16.1° C, August 1<sup>st</sup>, 2<sup>nd</sup>, 3<sup>rd</sup>

## Cumulative Numbers of Tropical Nights (> 20° C) in a 10-day Period

Sums from 2006 – 2025 [KONT]

### Ontario CA Airport August Tropical Nights



# Historical Averages of WIND

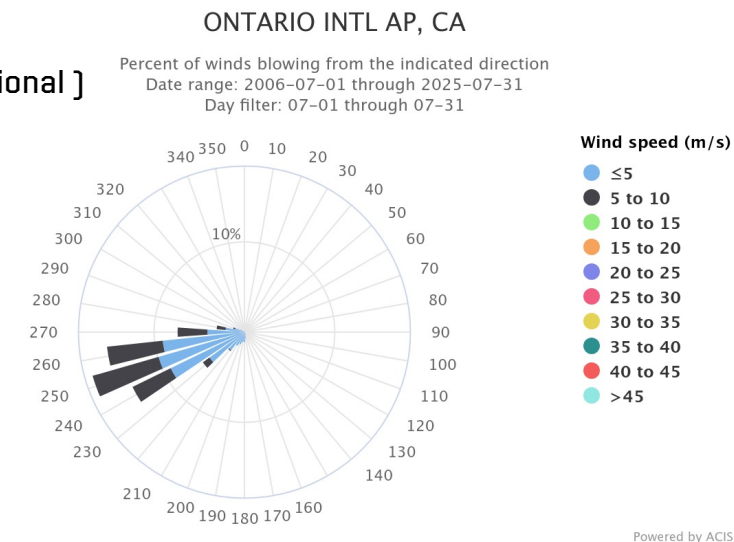
The wind is described by the direction from which it blows and its speed. Both parameters change according to the period of the day.

The wind rose diagram depicts it graphically:

- Each branch refers to one direction [N, NE, E, SE, S, SW, W, NW] and its length indicates the frequency of this direction [%].
- The colors refer to the speed ranges [speed in m/s].
- The wind is calm when its speed is less than 3.2 km/h.

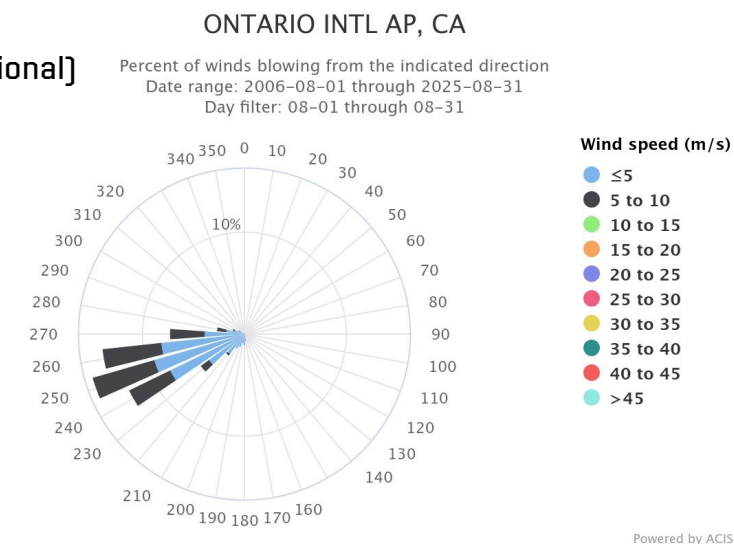
## July Wind

Averages from 2006 – 2025 [Ontario International]



## August Wind

Averages from 2006 – 2025 [Ontario International]



# CARSON ZONE & INGLEWOOD ZONE



- **Carson Zone**

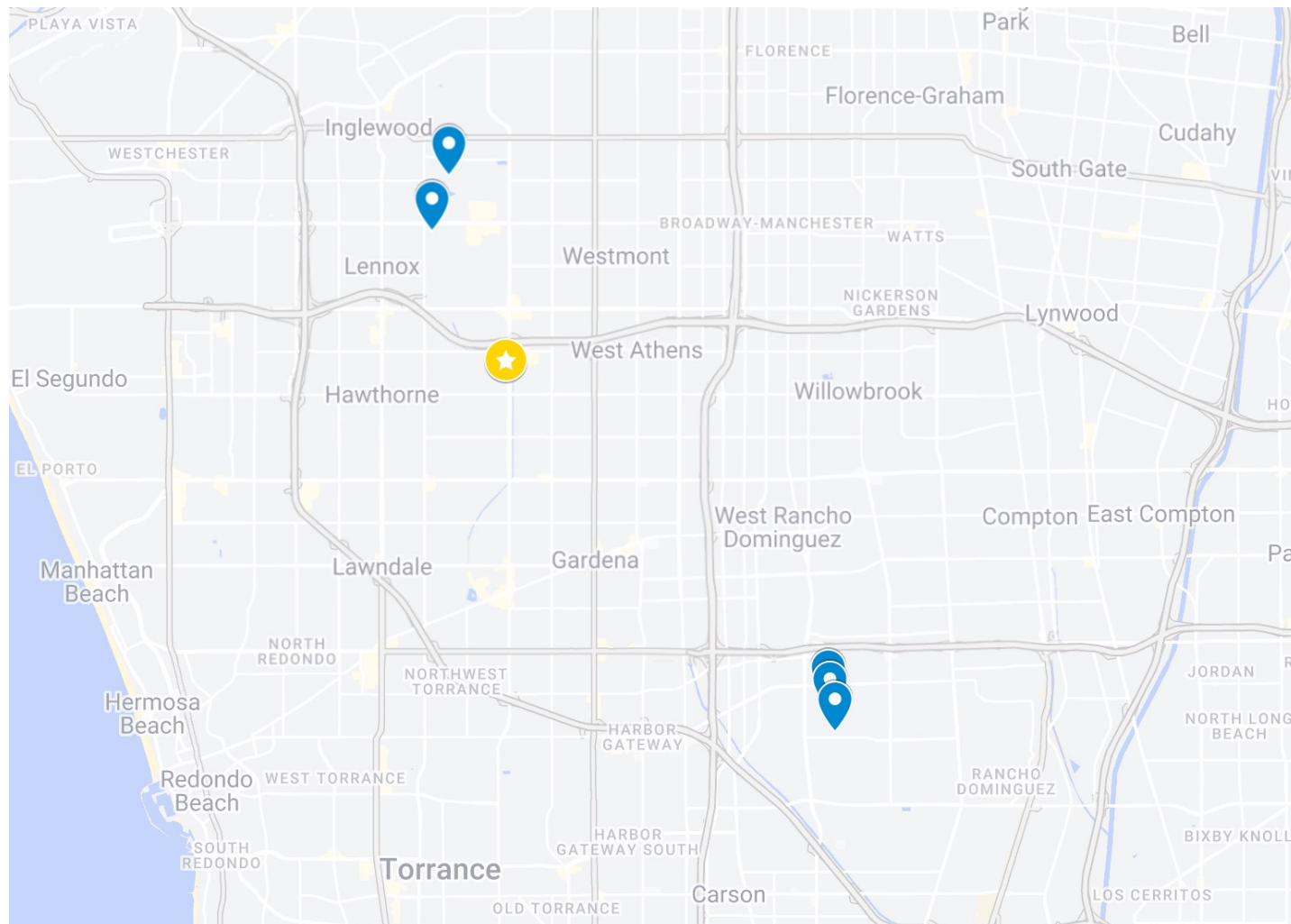
- Carson Stadium
- Carson Field
- Carson Courts
- Carson Velodrome

- **Inglewood Zone**

- 2028 Stadium
- Intuit Dome



# Introduction



**WEATHER STATION**



**COMPETITION VENUE**

## COMPETITION VENUES VS. WEATHER STATION:

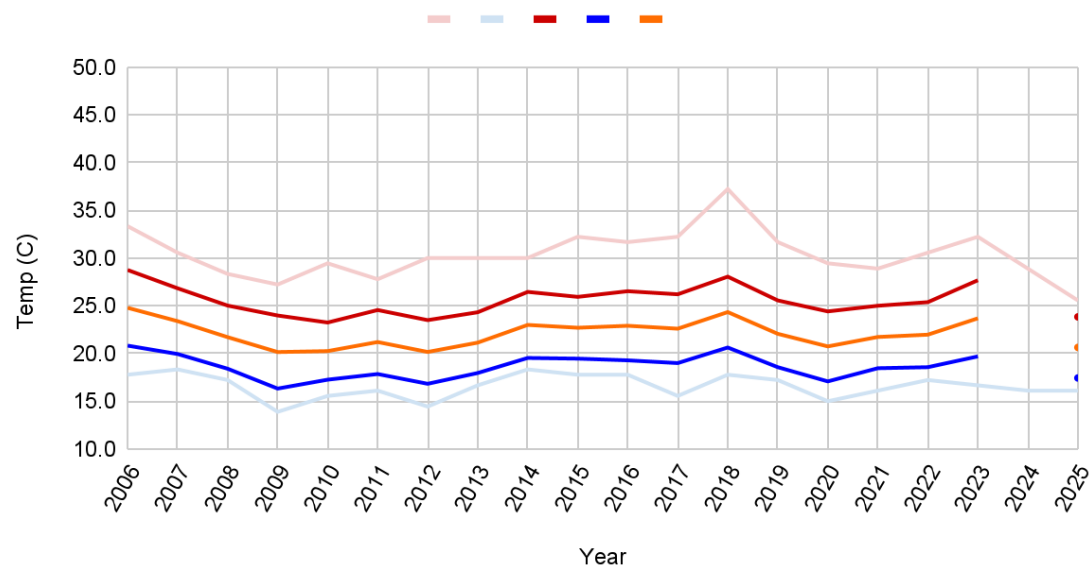
- Temperatures: Slightly warmer at Carson Zone
- Wind: Similar
- Rainfall: Similar

Note: The Carson and Inglewood Zones are nearly equidistant from the Hawthorne Municipal Airport to the northwest, and the Long Beach Airport to the southeast. The KHR [weather station](#) sensor at the Hawthorne Municipal Airport was selected as representative as it was more inland than the Long Beach Airport's sensor.

# Historical Averages of JULY TEMPERATURE

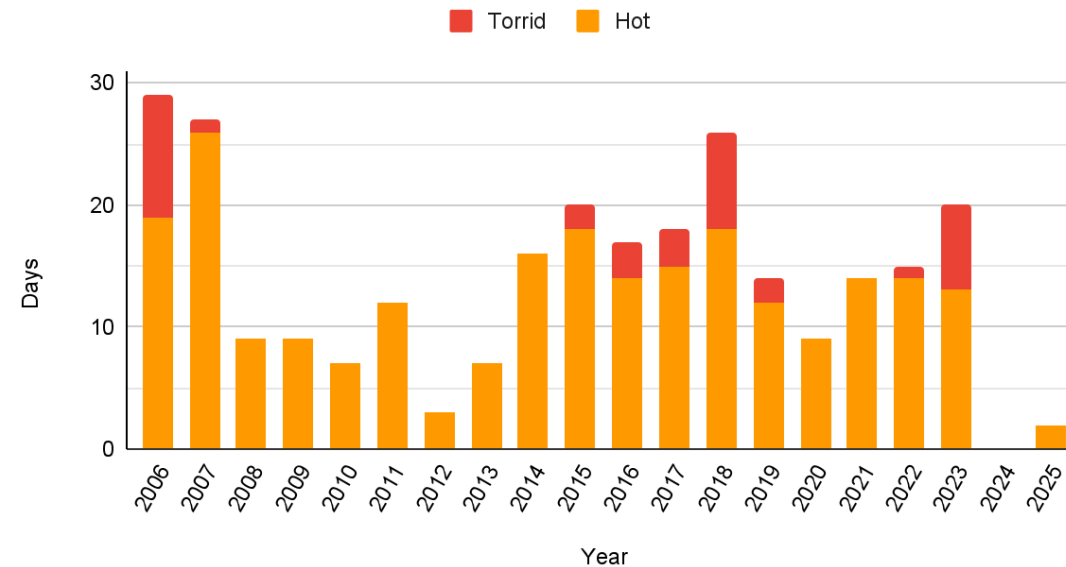
**Minimum and Maximum Daily Temperatures**  
Averages between 2006 – 2025 [KHR ASOS]

Carson and Inglewood July Temperatures (C)



**Number of Hot Days (25°-30° C) and Torrid Days (> 30° C)**  
Averages between 2006 – 2025 [KHR ASOS]

Carson and Inglewood July Hot and Torrid Days

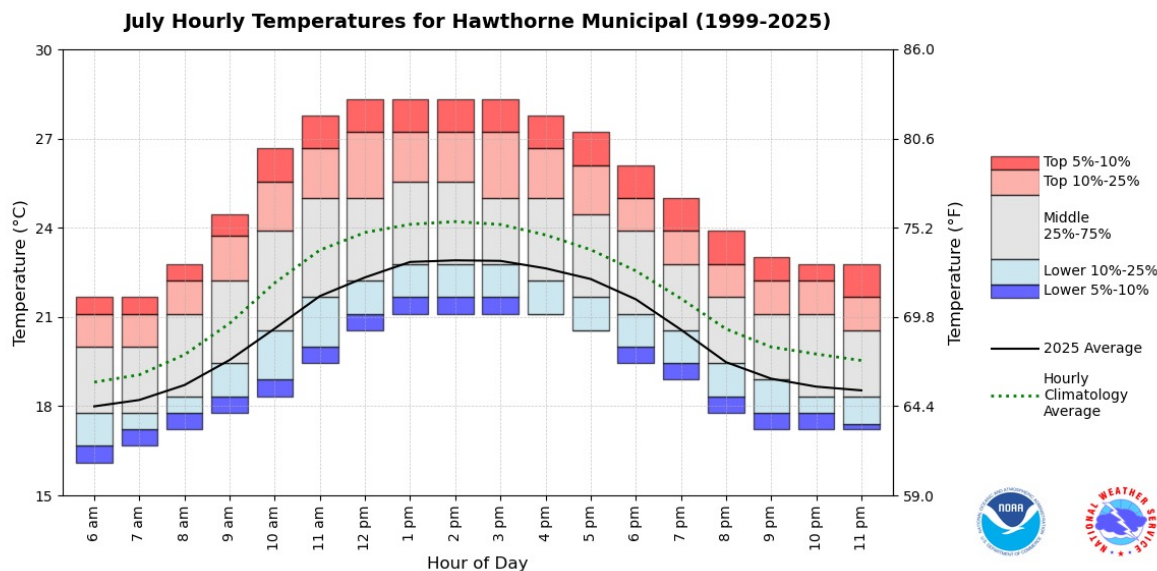


Minimum Temp. Records		Maximum Temp. Records	
Lowest Temp	13.9° C in 2009	Highest Temp	37.2° C in 2018

# Historical Averages of JULY TEMPERATURE

## Hourly Temperature

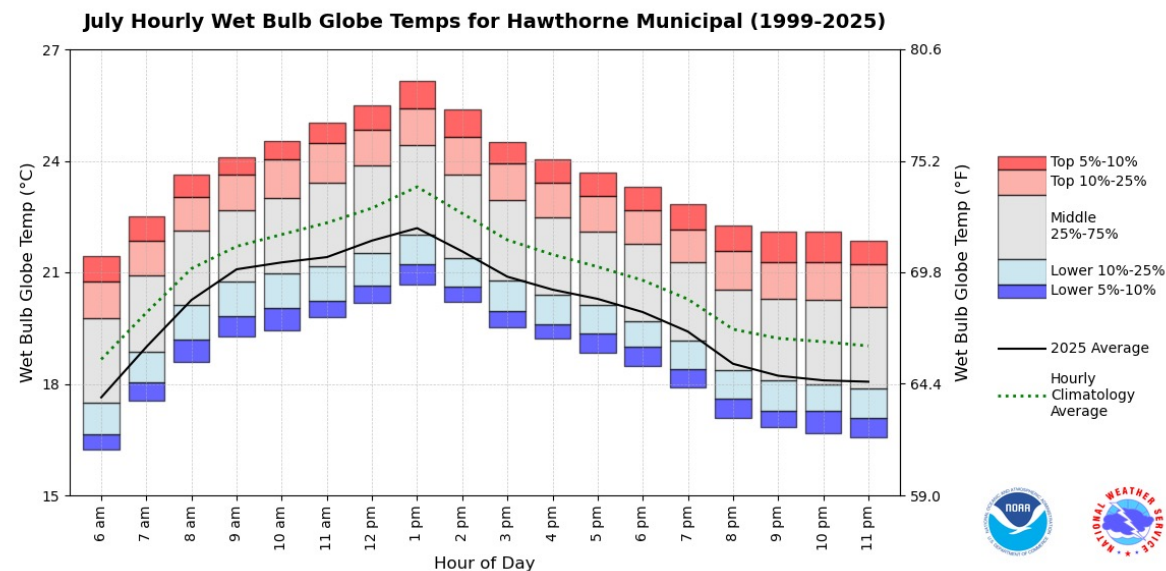
Averages between 1995 – 2025 [KHR ASOS]



On average, hourly July temperatures at Hawthorne Municipal Airport peak between the hours of 12pm-3pm. The most extreme [top 5%] temperature values at Hawthorne exceed 27°C and mid-day values almost always exceed 20°C. Overall, 2025 was cooler than average at this location.

## Hourly Wet Bulb Globe [WBG] Temperature

Averages between 1995 – 2025 [KHR ASOS]



On average, hourly July wet bulb globe temperatures [WBG] at Hawthorne Municipal Airport peak around 1pm. The most extreme [top 5%] WBG values at Hawthorne exceed 25°C and mid-day values almost always exceed 19°C. Overall, 2025 was cooler than average at this location.

# July Temperature

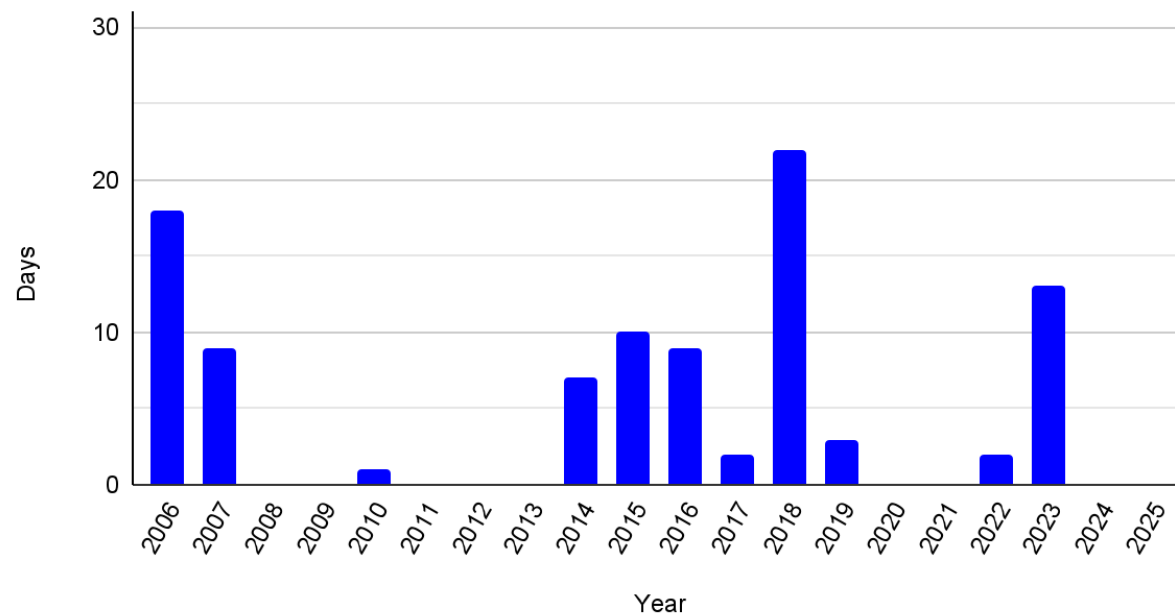
**July 2025 compared to 20-yr. average:** There were 2 Hot days [vs 12.5 normal in 20-year average], 0 Torrid days [vs 1.9 normal], and 0 Tropical nights [vs 5.1 normal]. There was one day with a trace of precipitation during July 2025.

- **Monthly Average:** 20.6° C
- **Monthly Average Max:** 23.8° C
- **Monthly Average Min:** 17.4° C
- **Warmest Temp:** 25.6° C , July 9<sup>th</sup> and July 10<sup>th</sup>
- **Coollest Temp:** 16.1° C, occurred five times

## Cumulative Numbers of Tropical Nights (> 20° C) in a 10-day Period

Sums from 2006 – 2025 [KHR ASOS]

Carson and Inglewood July Tropical Nights

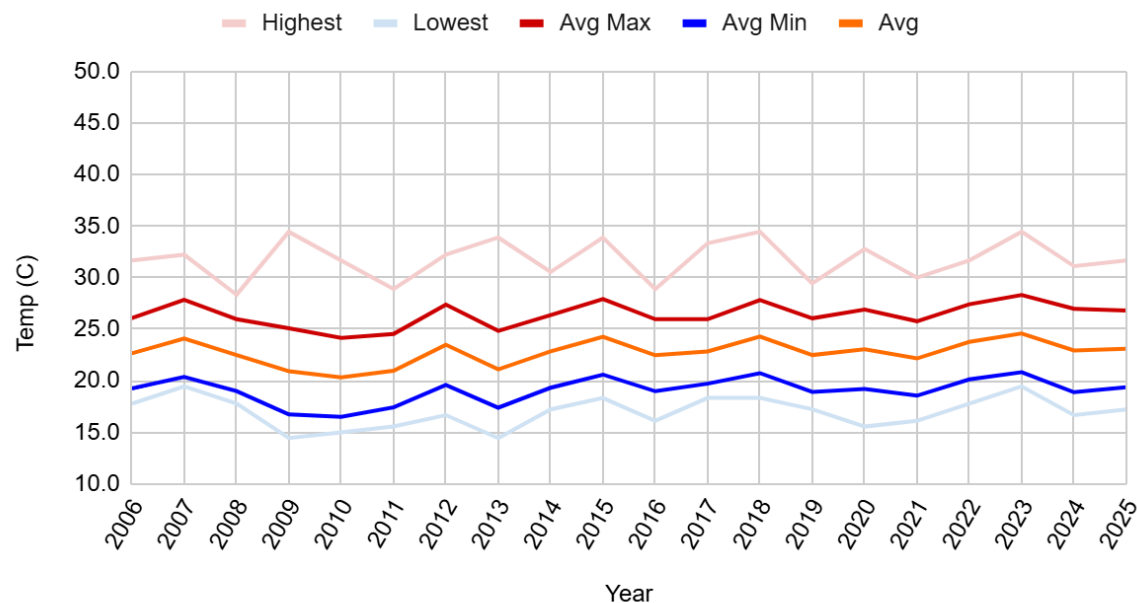


# Historical Averages of AUGUST TEMPERATURE

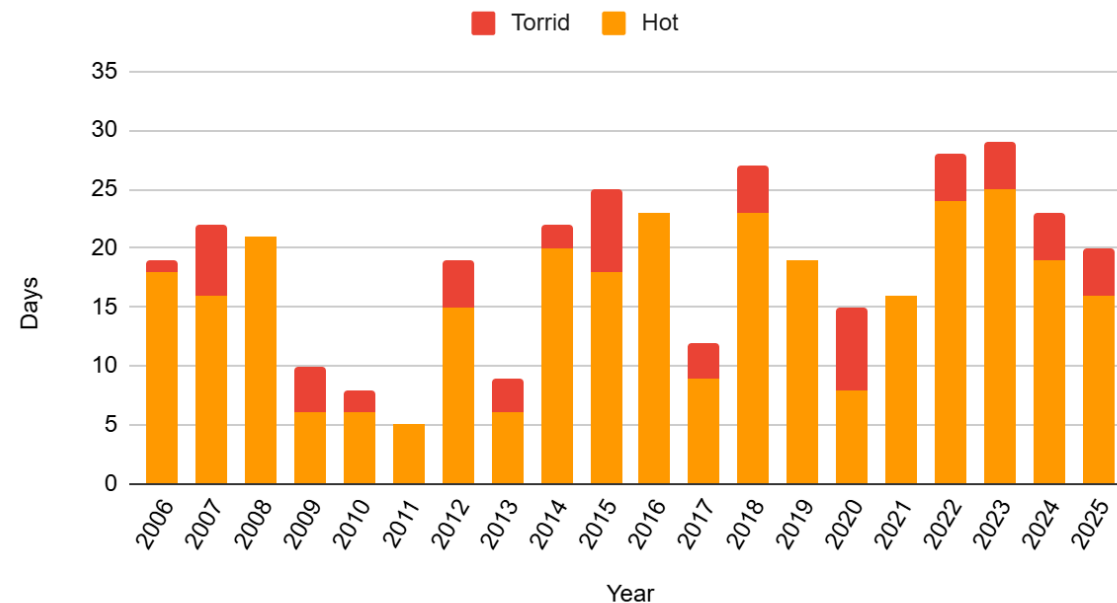
**Minimum and Maximum Daily Temperatures**  
Averages between 2006 – 2025 [KHR ASOS]

**Number of Hot Days [25°-30° C] and Torrid Days [ > 30° C]**  
Averages between 2006 – 2025 [KHR ASOS]

Carson and Inglewood August Temperatures (C)



Carson and Inglewood August Hot and Torrid Days

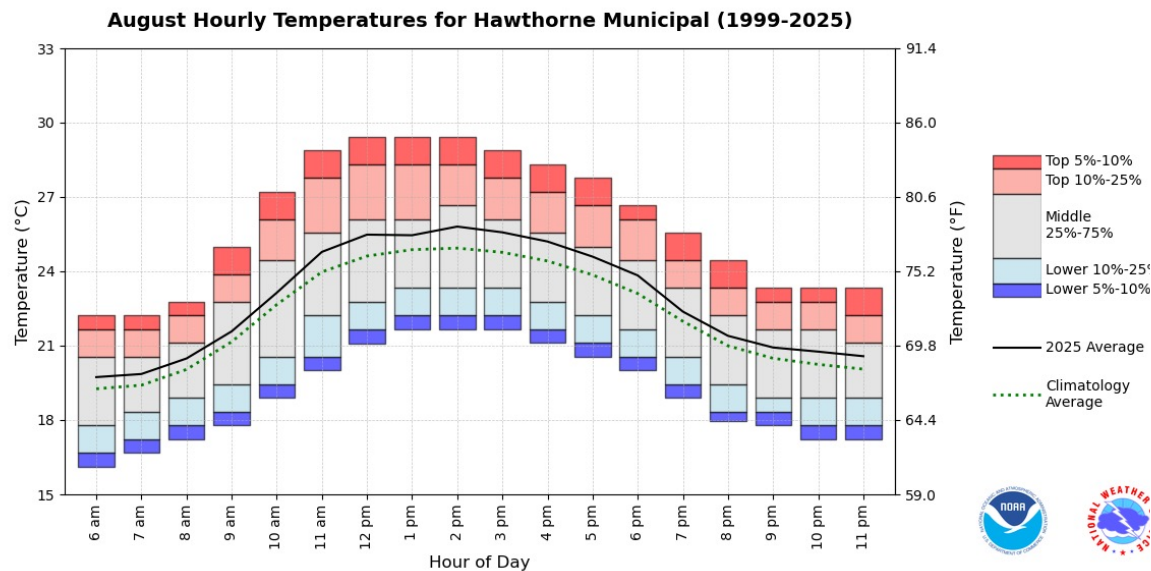


Minimum Temp. Records		Maximum Temp. Records	
Lowest Temp	14.4° C in 2009, 2013	Highest Temp	34.4° C in 2009, 2018, 2023

# Historical Averages of AUGUST TEMPERATURE

## Hourly Temperature

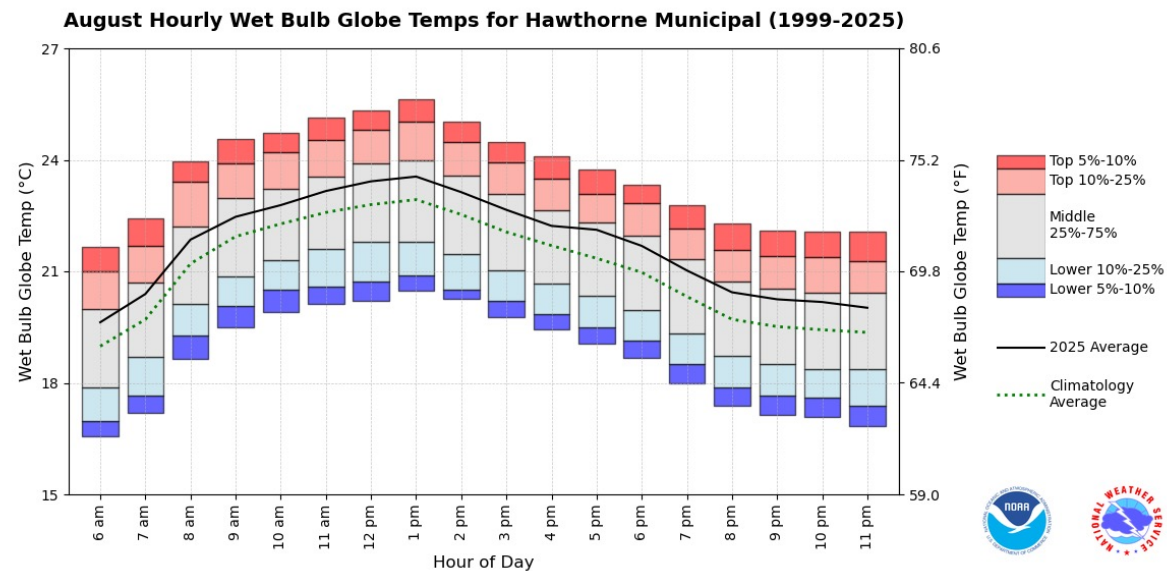
Averages between 1995 – 2025 [KHR ASOS]



On average, hourly August temperatures at Hawthorne Municipal Airport peak between the hours of 12pm-2pm. The most extreme [top 5%] temperature values at Hawthorne exceed 25°C and mid-day values almost always exceed 21°C. Overall, 2025 was a bit warmer than average at this location.

## Hourly Wet Bulb Globe (WBGT) Temperature

Averages between 1995 – 2025 [KHR ASOS]



On average, hourly August wet bulb globe temperatures (WBGT) at Hawthorne Municipal Airport peak around 1pm. The most extreme [top 5%] WBGT values at Hawthorne exceed 24°C and mid-day values almost always exceed 19°C. Overall, 2025 was warmer than average at this location.

# August Temperature

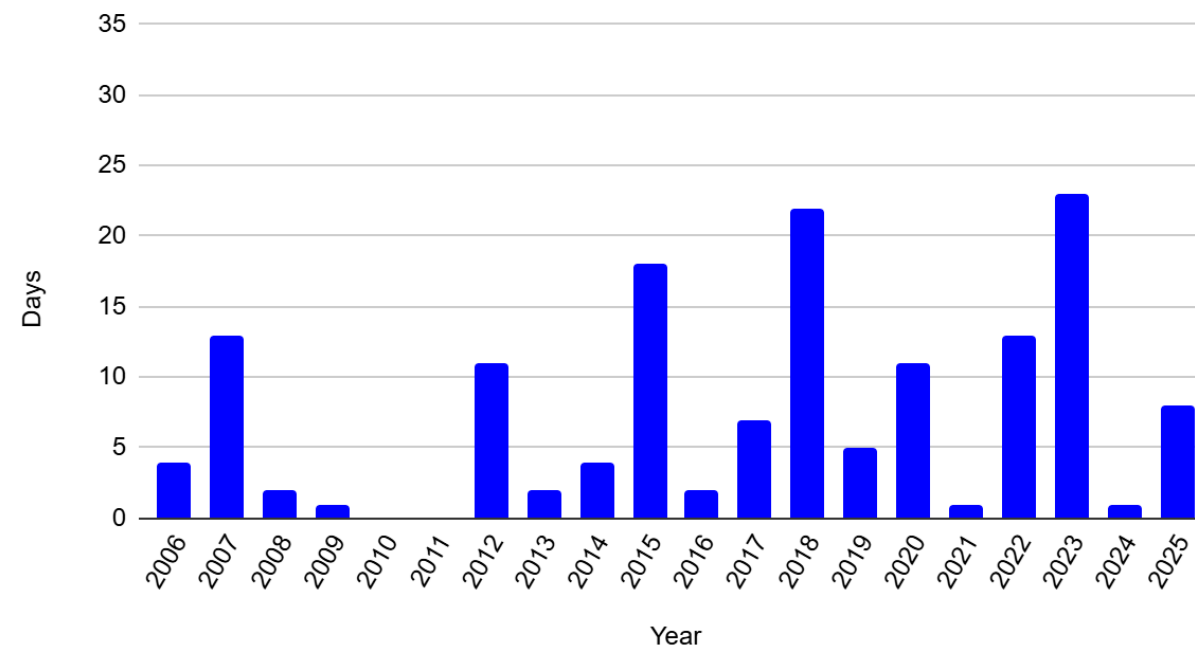
**August 2025 compared to 20-yr. average:** There were 16 Hot days [vs 15.7 normal in 20-year average], 4 Torrid days [vs 3 normal], and 8 Tropical nights [vs 7.4 normal]. There was no measured precipitation during August 2025.

- **Monthly Average:** 23.1° C
- **Monthly Average Max:** 26.8 °C
- **Monthly Average Min:** 19.4° C
- **Warmest Temp:** 31.7° C , August 20<sup>th</sup>
- **Coollest Temp:** 17.2° C, August 1<sup>st</sup>

## Cumulative Numbers of Tropical Nights (> 20° C) in a 10-day Period

Sums from 2006 – 2025 [KHR ASOS]

Carson and Inglewood August Tropical Nights



# Historical Averages of WIND

The wind is described by the direction from which it blows and its speed. Both parameters change according to the period of the day.

The wind rose diagram depicts it graphically:

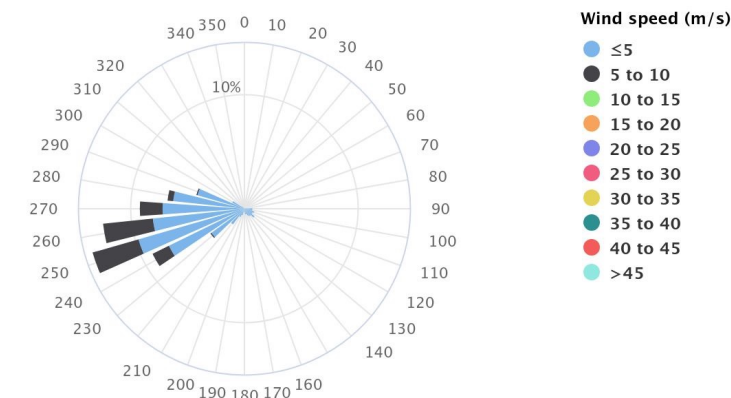
- Each branch refers to one direction [N, NE, E, SE, S, SW, W, NW] and its length indicates the frequency of this direction [%].
- The colors refer to the speed ranges [speed in m/s].
- The wind is calm when its speed is less than 3.2 km/h.

## July Wind

Averages from 2005 – 2025 [Hawthorne Municipal]

### HAWTHORNE MUNICIPAL AP, CA

Percent of winds blowing from the indicated direction  
Date range: 2005-07-01 through 2025-07-31  
Day filter: 07-01 through 07-31



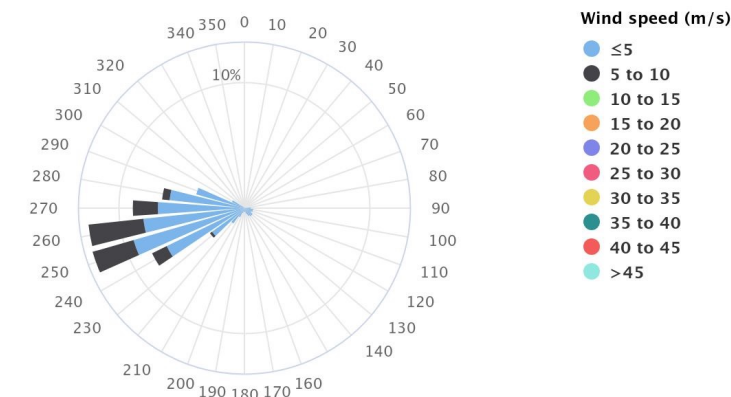
Powered by ACIS

## August Wind

Averages from 2006 – 2025 [Hawthorne Municipal]

### HAWTHORNE MUNICIPAL AP, CA

Percent of winds blowing from the indicated direction  
Date range: 2006-08-01 through 2025-08-31  
Day filter: 08-01 through 08-31



Powered by ACIS

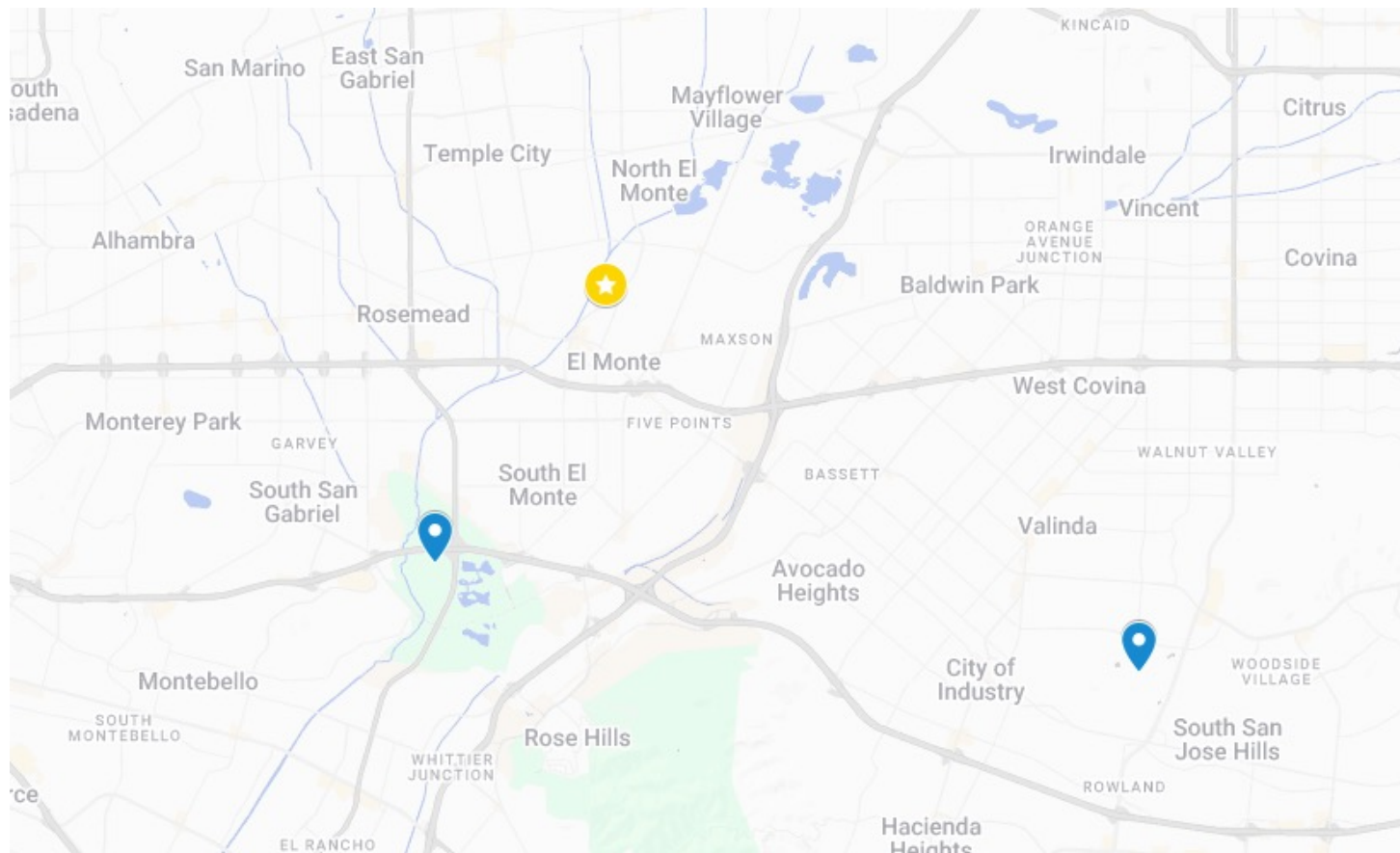
# CITY OF INDUSTRY ZONE & WHITTIER NARROWS ZONE



- **City of Industry Zone**
  - Industry Hills MTB Course
- **Whittier Narrows Zone**
  - Whittier Narrows Clay Shooting Center



# Introduction



**WEATHER STATION**



**COMPETITION VENUE**

## COMPETITION VENUES VS. WEATHER STATION:

- Temperatures: Similar
- Wind: Similar
- Rainfall: Similar to the DTLA Zone

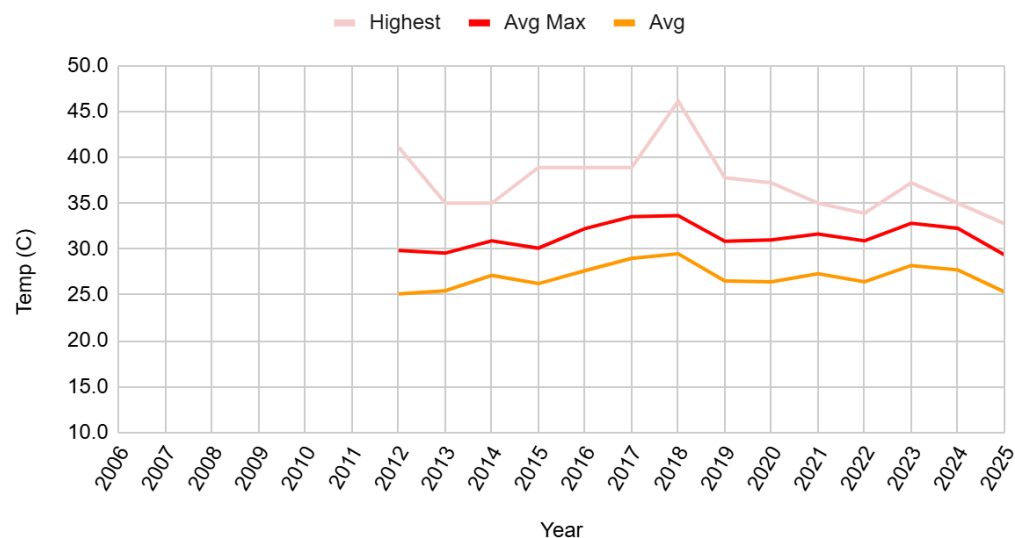
Note: For the City of Industry Zone and Whittier Narrows Zone, The climate site used is the sensor at the San Gabriel Valley Airport [KEMT]. The Whittier Narrows Clay Shooting Center is 5.9 km SW of the airport and the Industry Hills MTB Course is about 12.2 km SE of the airport. This far inland from the marine influence, the airport temperatures should be representative of the venues. The airport only has observations during daytime hours, roughly 7 am to 8 pm, so no low temperature information is available. Low temperatures and precipitation would be similar to the downtown venues.

# Historical Averages of JULY TEMPERATURE

## Maximum Daily Temperatures

Averages between 2012 – 2025 [KEMT]

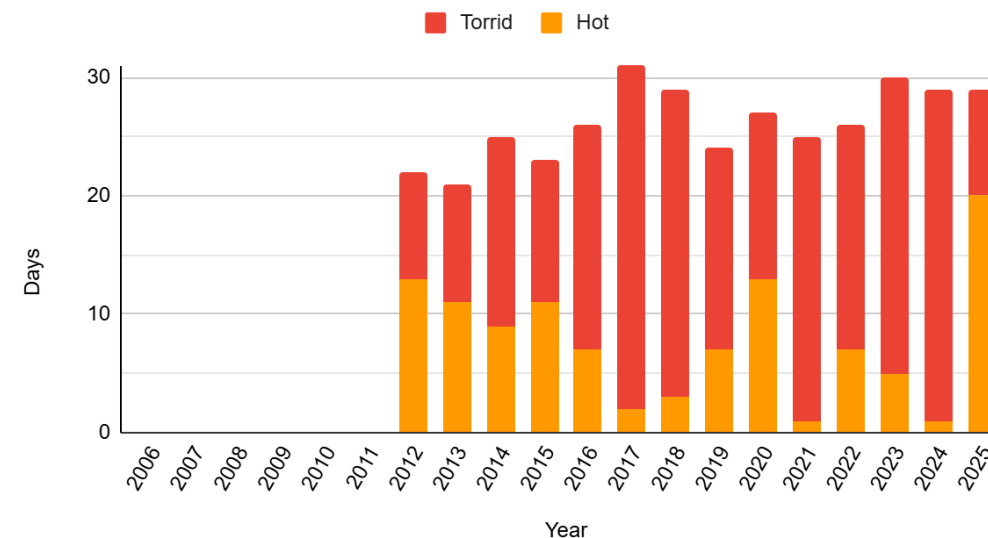
KEMT July Daytime Temperatures (C)



## Number of Hot Days [25°-30° C] and Torrid Days [ > 30° C]

Averages between 2012 – 2025 [KEMT]

KEMT July Hot and Torrid Days



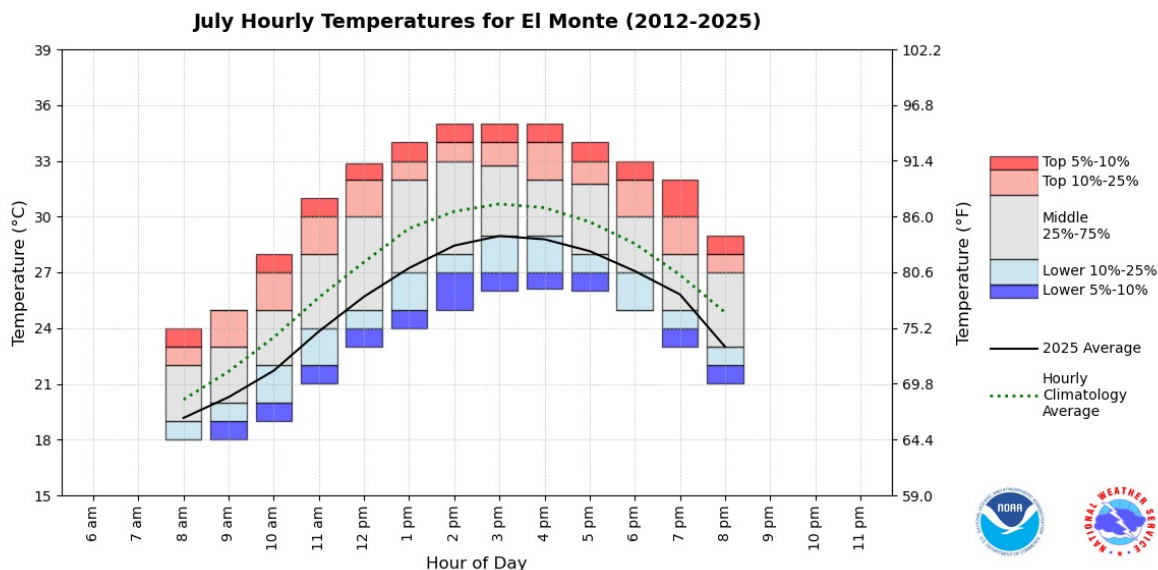
**July 2025 compared to 20-yr. average:** There were 20 Hot days [vs 7.9 normal in 14-year average], but only 9 Torrid days [vs 18.4 normal].

- **Monthly Daytime Average:** 25.3 °C
- **Monthly Average Max:** 29.4 °C
- **Warmest Temp:** 29.4 °C, occurred three times
- **Historical Highest Temp:** 38.9° C in 2018

# Historical Averages of JULY TEMPERATURE

## Hourly Temperature

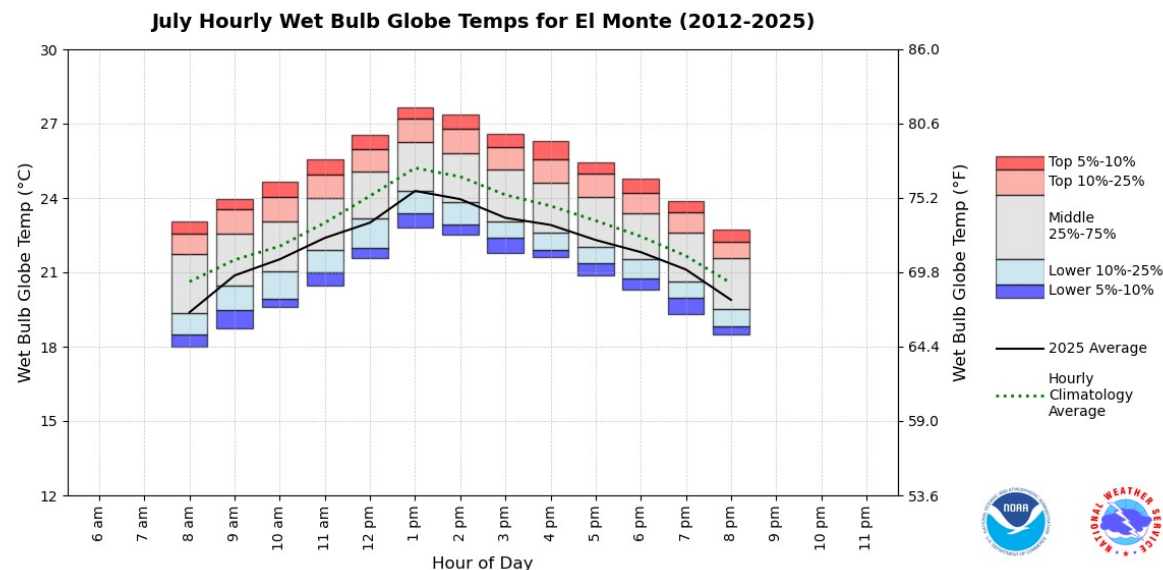
Averages between 1995 – 2025 (KEMT)



On average, hourly July temperatures at San Gabriel Valley Airport peak between the hours of 2pm-4pm. The most extreme [top 5%] temperature values at San Gabriel exceed 33°C and mid-day values almost always exceed 23°C. Overall, 2025 was cooler than average at this location.

## Hourly Wet Bulb Globe (WBGT) Temperature

Averages between 1995 – 2025 (KEMT)



On average, hourly July wet bulb globe temperatures (WBGT) at San Gabriel Valley Airport peak around 1pm. The most extreme [top 5%] WBGT values at San Gabriel exceed 25°C and mid-day values almost always exceed 21°C. Overall, 2025 was cooler than average at this location.

# Historical Averages of WIND

The wind is described by the direction from which it blows and its speed. Both parameters change according to the period of the day.

The wind rose diagram depicts it graphically:

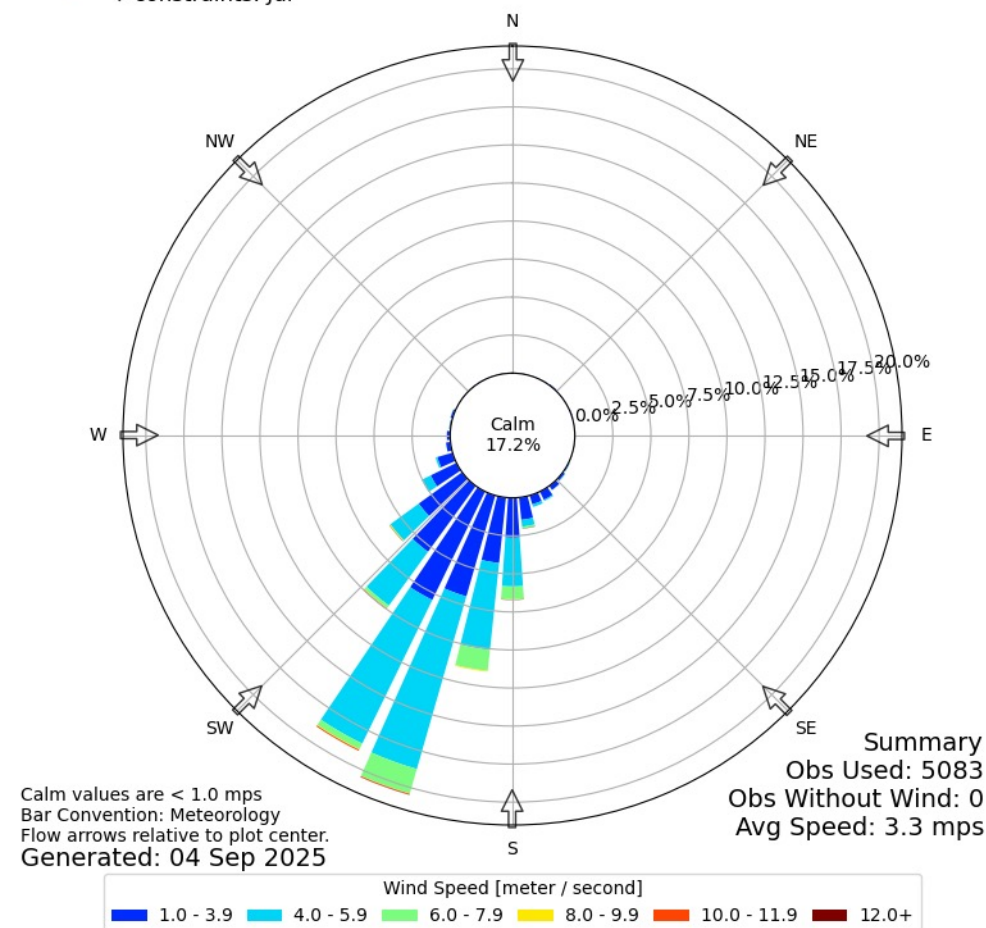
- Each branch refers to one direction [N, NE, E, SE, S, SW, W, NW] and its length indicates the frequency of this direction [%].
- The colors refer to the speed ranges [speed in m/s].
- The wind is calm when its speed is less than 3.2 km/h.

## July Wind

Percent averages from 2006 – 2025 at San Gabriel Valley Airport [KEMT]



Windrose Plot for [EMT] EL MONTE  
Obs Between: 01 Jul 2005 06:47 AM - 31 Jul 2025 06:45 PM America/Los\_Angeles  
↳ constraints: Jul



# DTLA ZONE & EXPOSITION PARK ZONE



- **DTLA Zone**

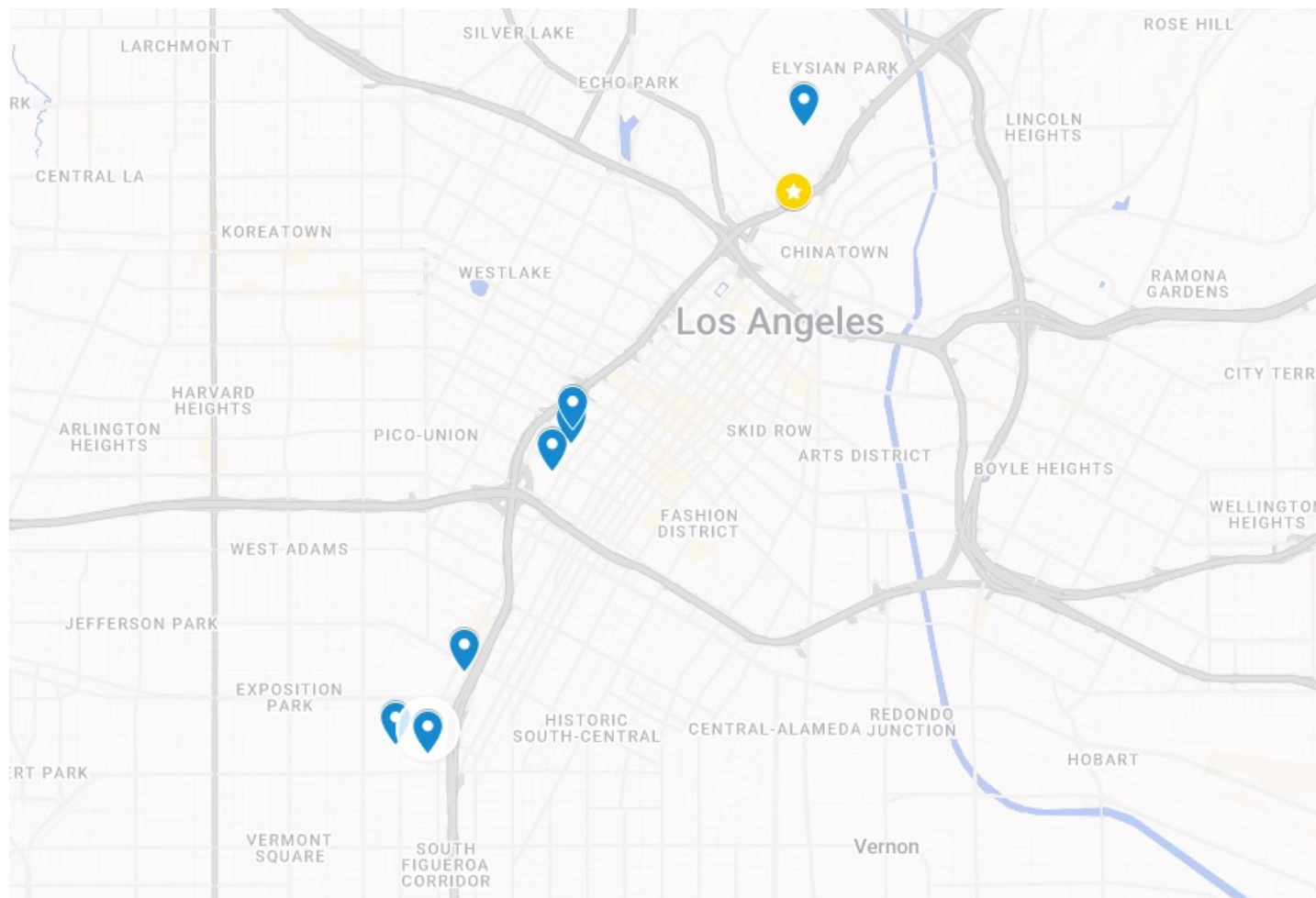
- Dodger Stadium
- DTLA Arena
- LA Convention Center Halls 1-3
- Peacock Theater

- **Exposition Park Zone**

- Galen Center
- Exposition Park Stadium
- LA Memorial Coliseum



# Introduction



**WEATHER STATION**



**COMPETITION VENUE**

## COMPETITION VENUES VS. WEATHER STATION:

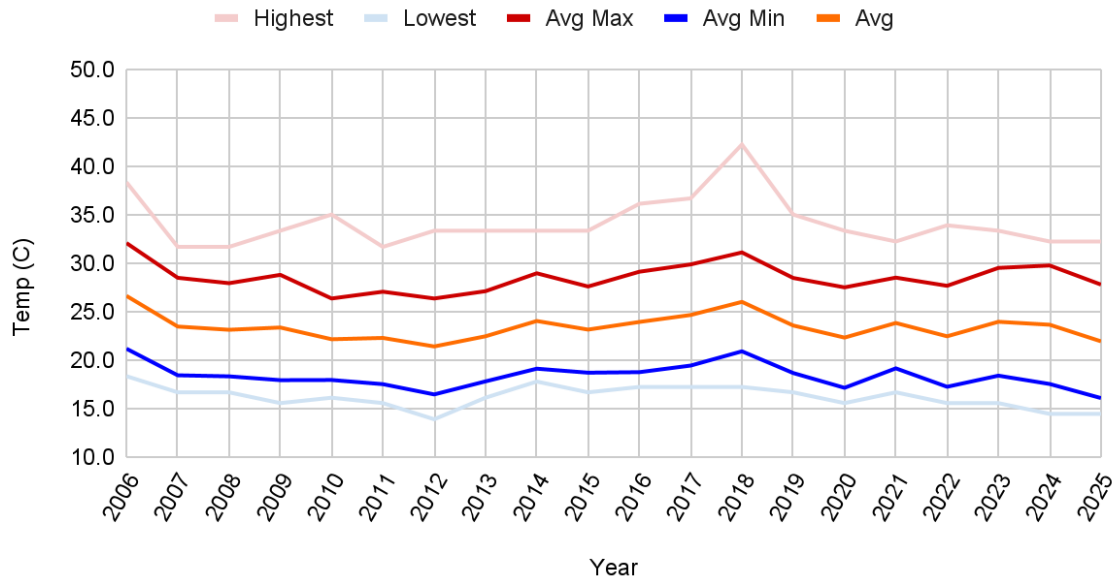
- Temperatures: Similar
- Wind: Similar
- Rainfall: Similar

Note: For the DTLA and Exposition Park Zones' historical data, the KCQT [weather station](#) sensor was selected as representative. This sensor was located about 6.5 km southwest of Downtown Los Angeles, but was removed in 2024. The new sensor (shown on map) is located about 1.6 km north of Downtown.

# Historical Averages of JULY TEMPERATURE

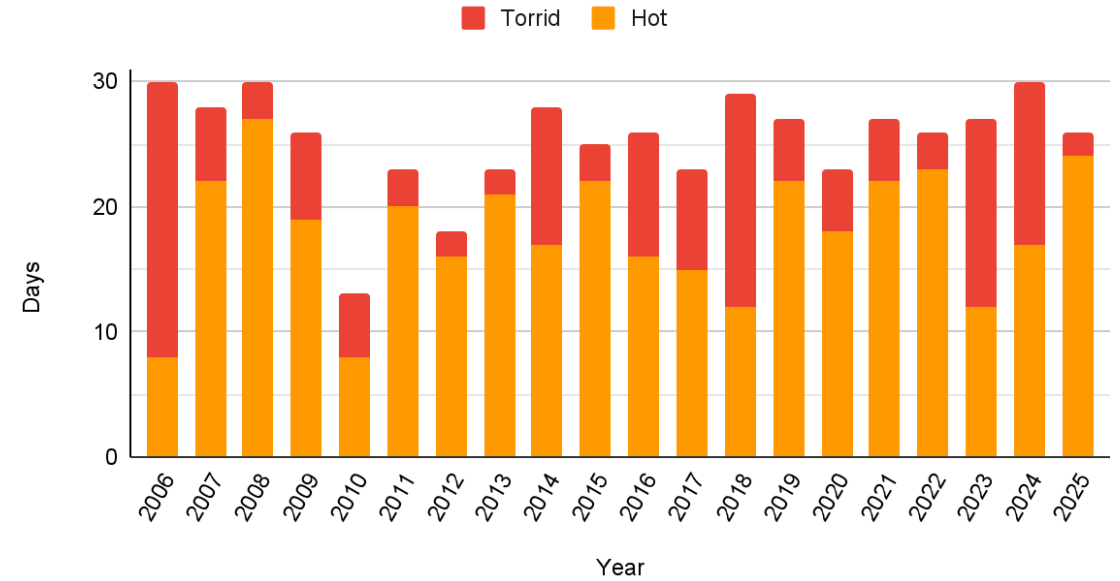
**Minimum and Maximum Daily Temperatures**  
Averages between 2006 – 2025 [KCQT ASOS]

DTLA Expo and LA Live July Temperatures (C)



**Number of Hot Days (25°-30° C) and Torrid Days (> 30° C)**  
Averages between 2006 – 2025 [KCQT ASOS]

DTLA Expo and LA Live July Hot and Torrid Days

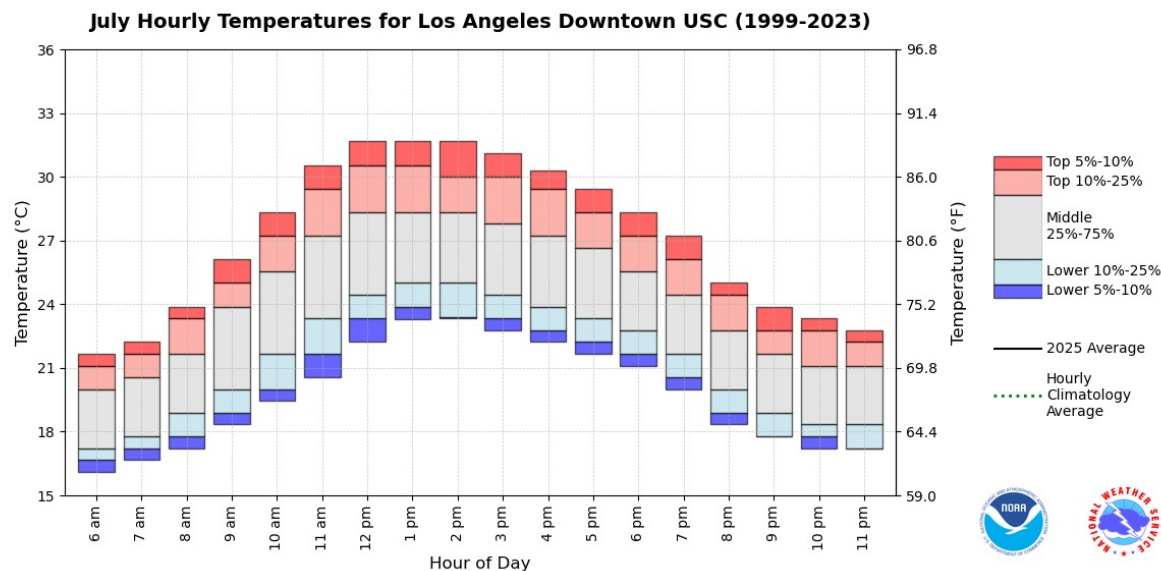


Minimum Temp. Records		Maximum Temp. Records	
Lowest Temp	13.9° C in 2011	Highest Temp	42.2° C in 2018

# Historical Averages of JULY TEMPERATURE

## Hourly Temperature

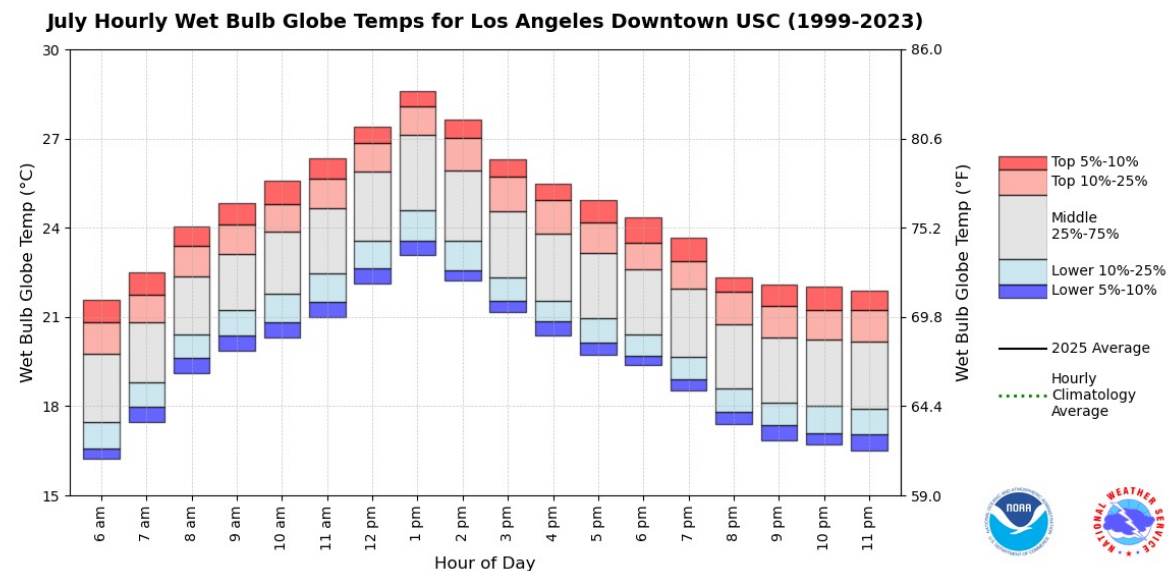
Averages between 1995 – 2023 [KCQT ASOS]



On average, hourly July temperatures in Downtown Los Angeles peak between the hours of 12pm-2pm. The most extreme [top 5%] temperature values in Downtown Los Angeles exceed 30°C and mid-day values almost always exceed 22°C.

## Hourly Wet Bulb Globe [WBGT] Temperature

Averages between 1995 – 2023 [KCQT ASOS]



On average, hourly July wet bulb globe temperatures [WBGT] in Downtown Los Angeles peak around 1pm. The most extreme [top 5%] WBGT values in Downtown Los Angeles exceed 27°C and mid-day values almost always exceed 21°C.

# July Temperature

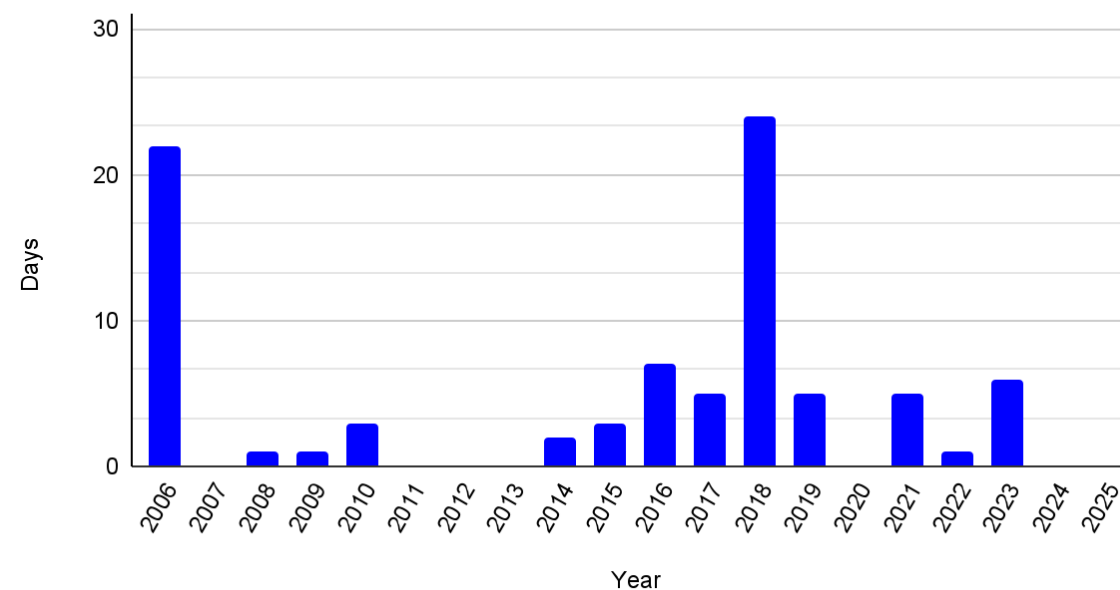
**July 2025 compared to 20-yr. average:** There were 24 Hot days [vs 18.2 normal in 20-year average], 2 Torrid days [vs 7.2 normal], and 0 Tropical nights [vs 4.1 normal]. There was no recorded precipitation during July 2025.

- **Monthly Average:** 24.4° C
- **Monthly Average Max:** 27.8 °C
- **Monthly Average Min:** 16.1° C, coolest July in the last 20 years
- **Warmest Temp:** 32.2° C , July 9<sup>th</sup>
- **Coolest Temp:** 14.4° C, July 1<sup>st</sup>, 8<sup>th</sup>, 24<sup>th</sup>

## Cumulative Numbers of Tropical Nights (> 20° C) in a 10-day Period

Sums from 2006 – 2025 [KCQT ASOS]

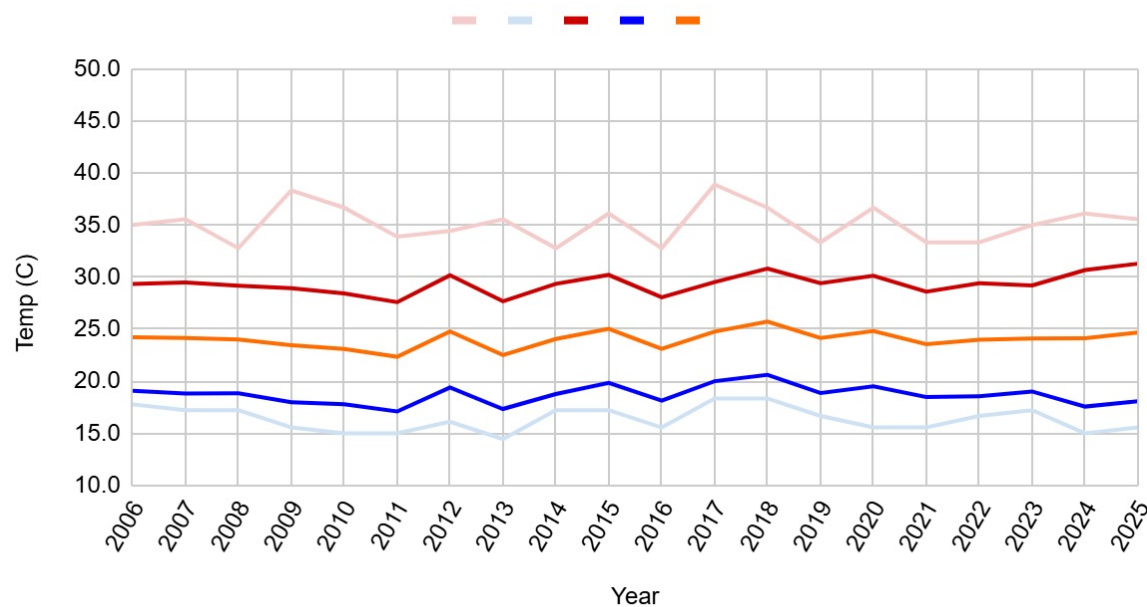
DTLA Expo and LA Live July Tropical Nights



# Historical Averages of AUGUST TEMPERATURE

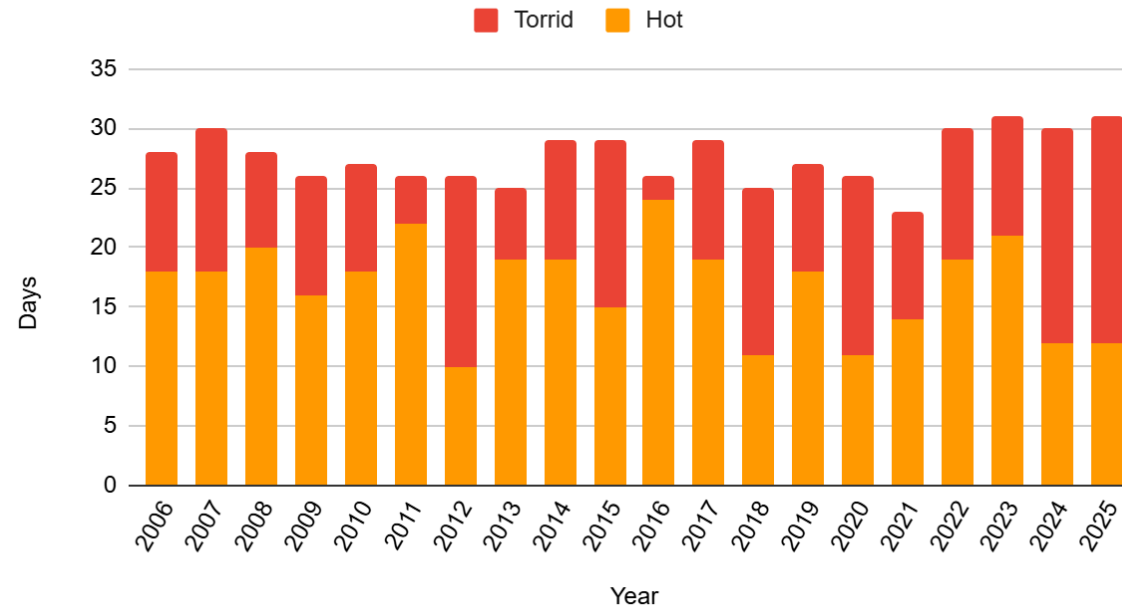
**Minimum and Maximum Daily Temperatures**  
Averages between 2006 – 2025 [KCQT ASOS]

Downtown Los Angeles August Temperatures (C)



**Number of Hot Days [25°-30° C] and Torrid Days [ > 30° C]**  
Averages between 2006 – 2025 [KCQT ASOS]

Downtown Los Angeles August Hot and Torrid Days

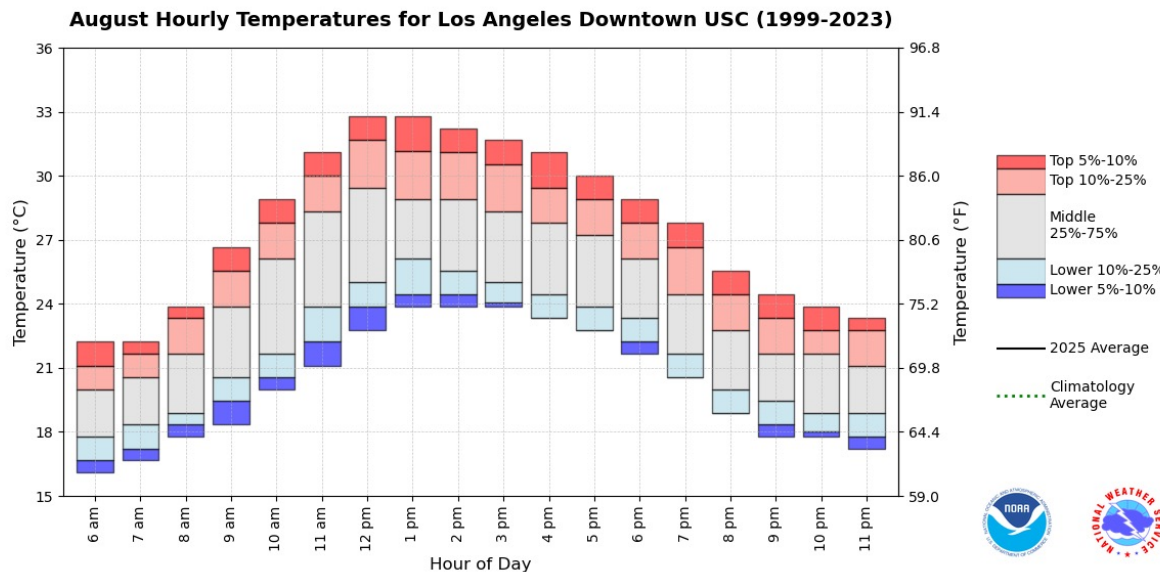


Minimum Temp. Records		Maximum Temp. Records	
Lowest Temp	14.4° C in 2015	Highest Temp	38.9° C in 2017

# Historical Averages of AUGUST TEMPERATURE

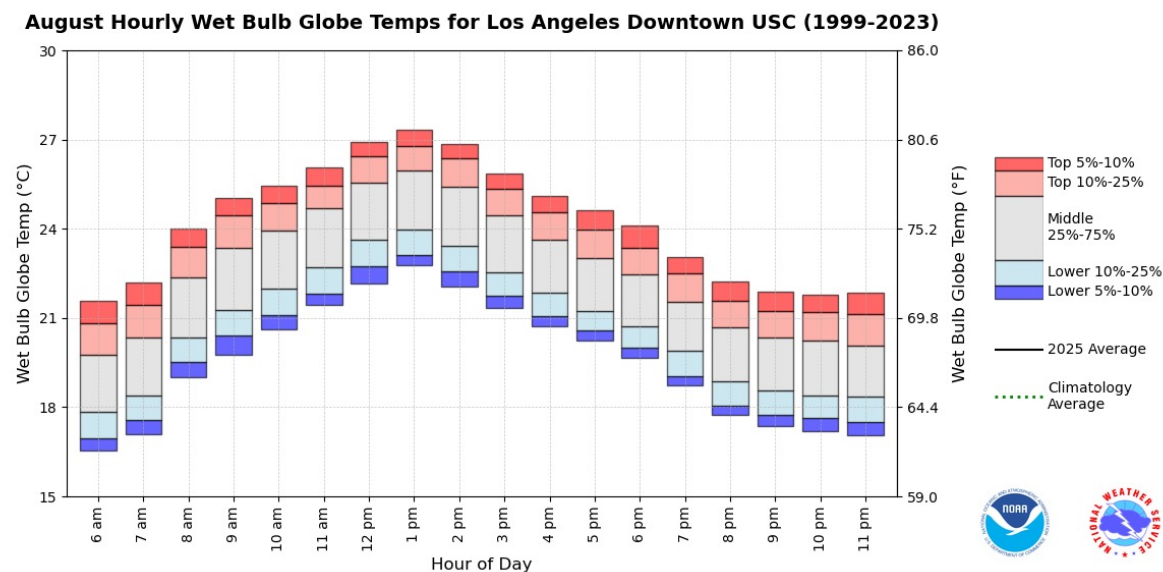
## Hourly Temperature

Averages between 1995 – 2023 [KCQT ASOS]



## Hourly Wet Bulb Globe (WBGT) Temperature

Averages between 1995 – 2023 [KCQT ASOS]



On average, hourly August temperatures in Downtown Los Angeles peak between the hours of 12pm-1pm. The most extreme [top 5%] temperature values in Downtown Los Angeles exceed 32°C and mid-day values almost always exceed 22°C.

On average, hourly August wet bulb globe temperatures (WBGT) in Downtown Los Angeles peak around 1pm. The most extreme [top 5%] WBGT values in Downtown Los Angeles exceed 27°C and mid-day values almost always exceed 21°C.

\*These graphs reflect the hourly data through 2023 due to the change in location of the weather station and do not include a 2025 comparison.

# August Temperature

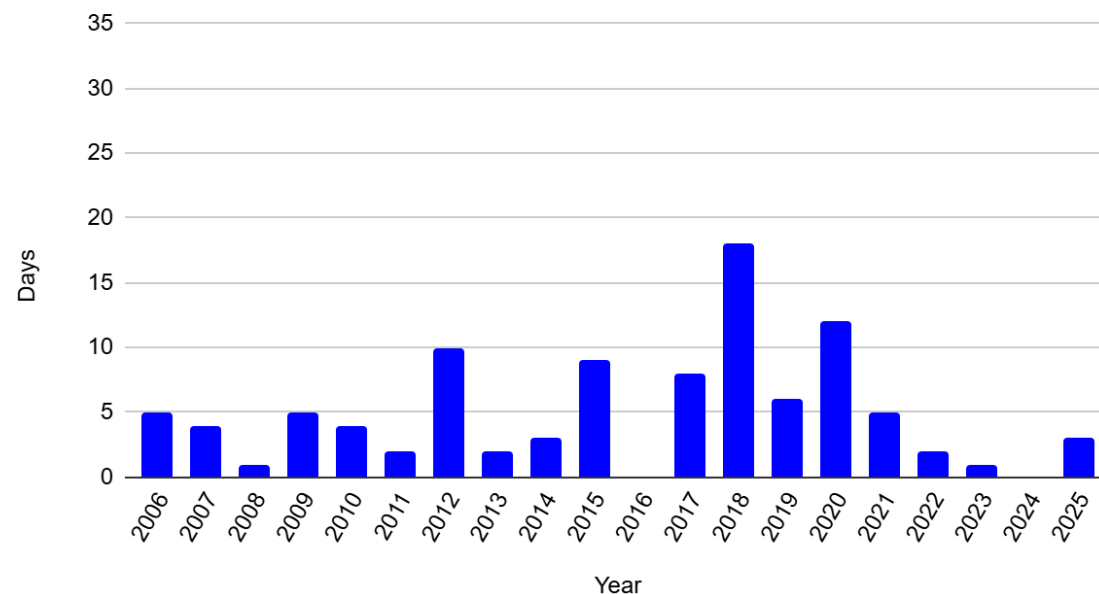
**August 2025 compared to 20-yr. average:** There were 12 Hot days [vs 16.8 normal in 20-year average], 19 Torrid days [vs 10.8 normal], and 3 Tropical nights [vs 5 normal]. There was no recorded precipitation during August 2025.

- **Monthly Average:** 24.7° C
- **Monthly Average Max:** 31.3° C [warmest in the last 20 years]
- **Monthly Average Min:** 18.1° C
- **Warmest Temp:** 35.6° C , August 22<sup>nd</sup> and August 23<sup>rd</sup>
- **Coolest Temp:** 15.6° C, August 2<sup>nd</sup>

## Cumulative Numbers of Tropical Nights (> 20° C) in a 10-day Period

Sums from 2006 – 2025 [KCQT ASOS]

### Downtown Los Angeles August Tropical Nights



# Historical Averages of WIND

The wind is described by the direction from which it blows and its speed. Both parameters change according to the period of the day.

The wind rose diagram depicts it graphically:

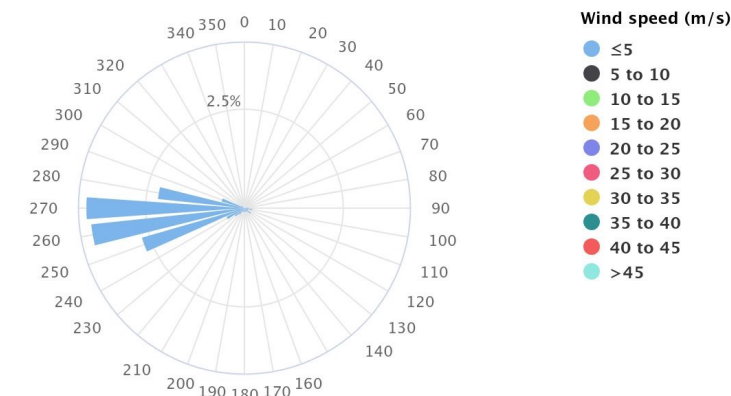
- Each branch refers to one direction [N, NE, E, SE, S, SW, W, NW] and its length indicates the frequency of this direction [%].
- The colors refer to the speed ranges [speed in m/s].
- The wind is calm when its speed is less than 3.2 km/h.

## July Wind

Averages from 2006 – 2025 [Los Angeles Downtown]

### LOS ANGELES DOWNTOWN, CA

Percent of winds blowing from the indicated direction  
Date range: 2006-07-01 through 2025-07-31  
Day filter: 07-01 through 07-31



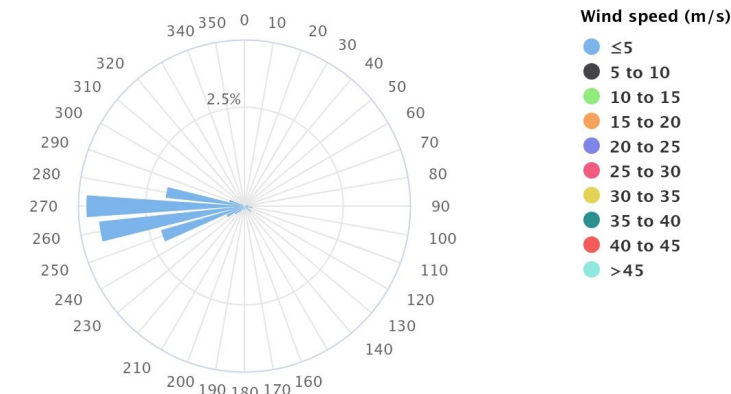
Powered by ACIS

## August Wind

Averages from 2006 – 2025 [Los Angeles Downtown]

### LOS ANGELES DOWNTOWN, CA

Percent of winds blowing from the indicated direction  
Date range: 2006-08-01 through 2025-08-31  
Day filter: 08-01 through 08-31



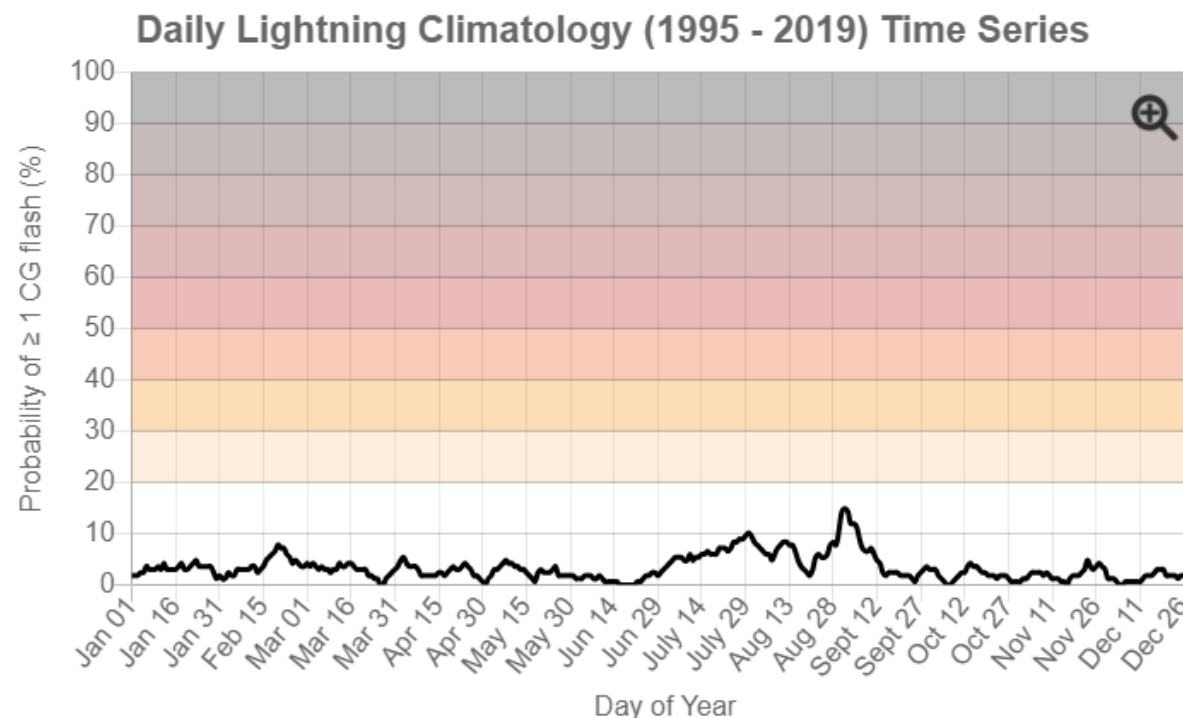
Powered by ACIS

# Historical Averages of **LIGHTNING**

**Summary:** A daily lightning climatology for the area is available using data from the Storm Prediction Center's [Data Viewer](#) and choosing 24-hour lightning. The Los Angeles plot is for an area that included Downtown Los Angeles and parts of the nearby mountains. The activity during July and August is primarily related to monsoonal thunderstorms which rarely affect the Downtown Los Angeles area.

## Daily Lightning Climatology

Averages between 1995 – 2019 [KCQT ASOS]



### Daily Lightning Climatology (1995 - 2019) Statistics:

Lat/Lon: 34.08, -118.19

Average Value: 3.29%

Maximum Value: 14.88% at Sept 01

Minimum Value: 0% at Mar 26

# LONG BEACH ZONE & PORT OF LOS ANGELES ZONE



- **Long Beach Zone**

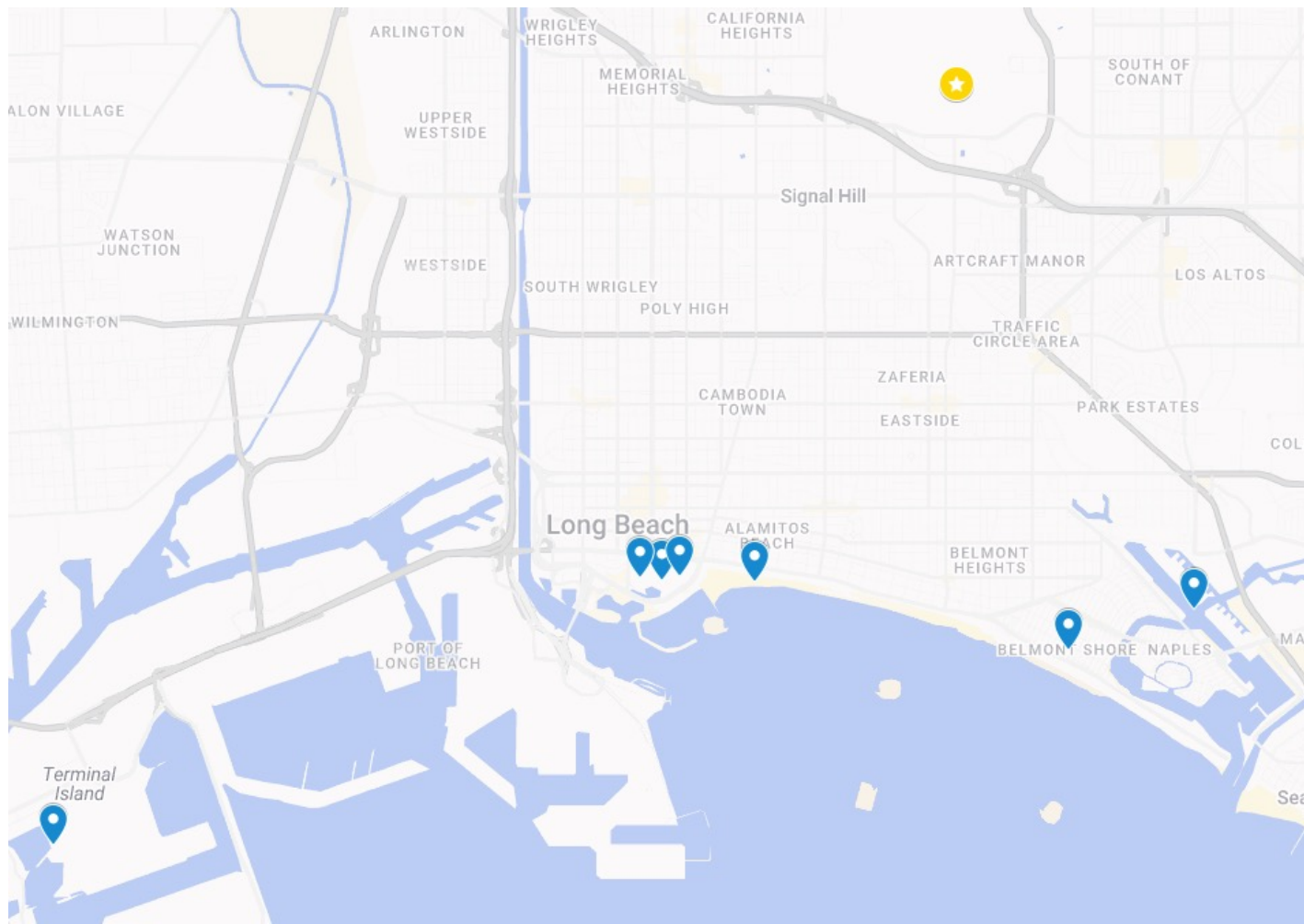
- Alamitos Beach Stadium
- Belmont Shore
- Long Beach Aquatics Center
- Long Beach Arena
- Long Beach Climbing Theater
- Long Beach Target Shooting Hall
- Marine Stadium

- **Port of Los Angeles Zone**

- Port of Los Angeles



# Introduction



**WEATHER STATION**



**COMPETITION VENUE**

## COMPETITION VENUES VS. WEATHER STATION:

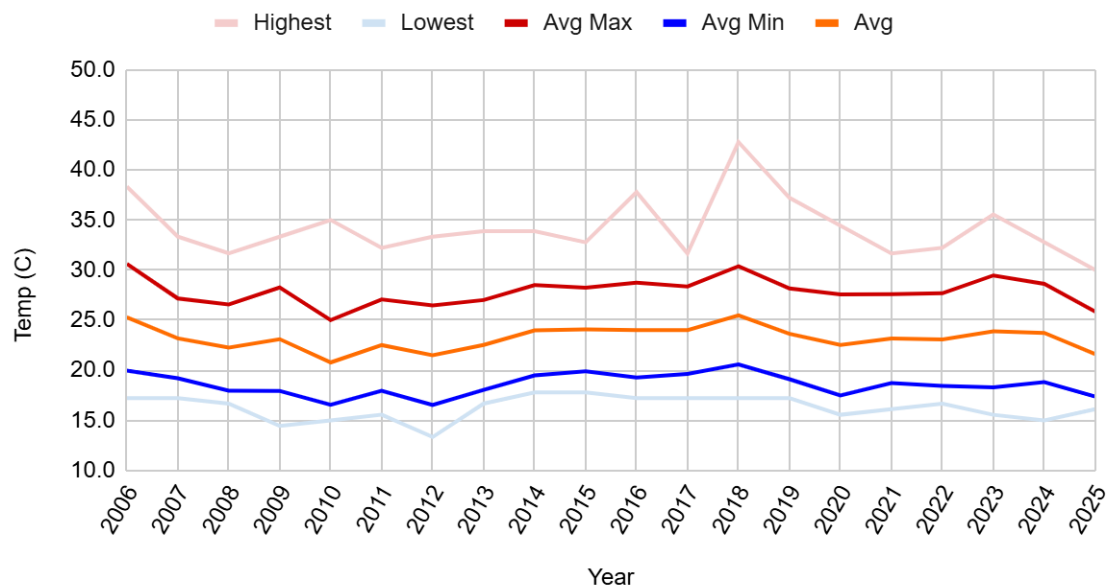
- Temperatures: Up to 3 °C cooler
- Wind: Onshore sea breeze 2.2 m/s stronger than inland
- Rainfall: Similar

Note: For the Long Beach Sports Park, the KLGB [weather station](#) sensor at the Long Beach Airport was selected as representative. In coming years, additional sensors will be placed closer to the waterfront and may be more representative of the sporting venues than the airport, which is about 6.4 km inland from the coast.

# Historical Averages of JULY TEMPERATURE

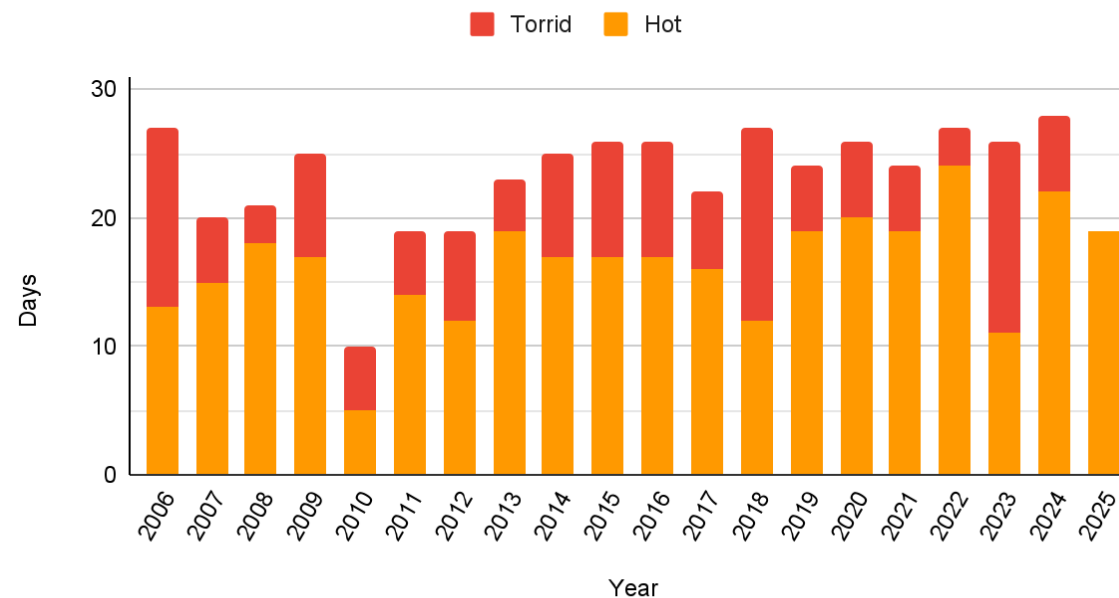
**Minimum and Maximum Daily Temperatures**  
Averages between 2006 – 2025 [KLGB ASOS]

Long Beach July Temperatures (C)



**Number of Hot Days [25°-30° C] and Torrid Days [ > 30° C]**  
Averages between 2006 – 2025 [KLGB ASOS]

Long Beach July Hot and Torrid Days

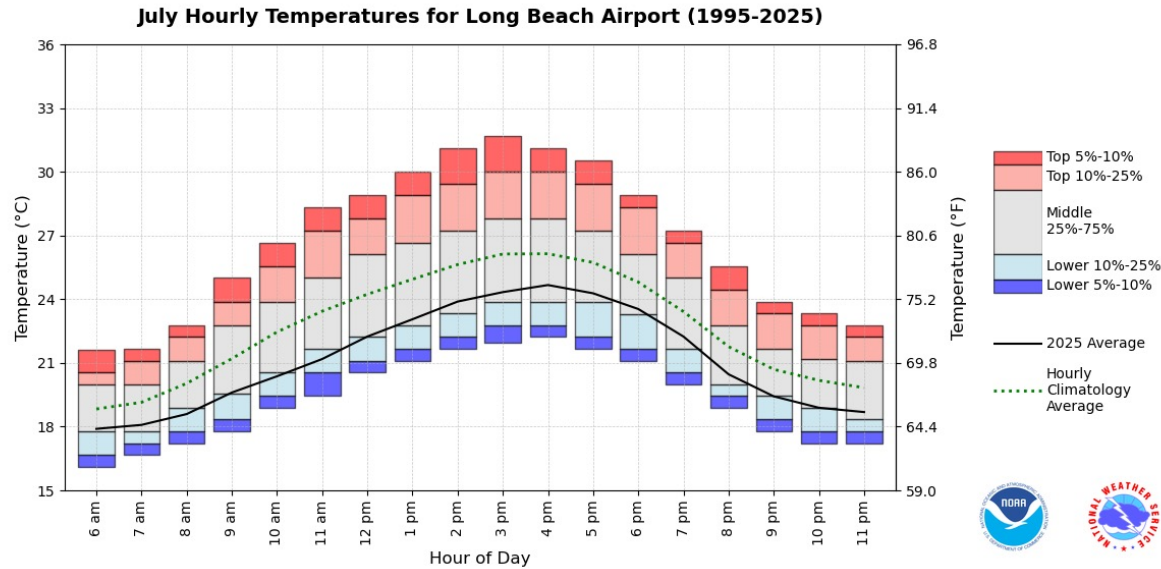


Minimum Temp. Records		Maximum Temp. Records	
Lowest Temp	13.3° C in 2012	Highest Temp	42.8° C in 2018

# Historical Averages of JULY TEMPERATURE

## Hourly Temperature

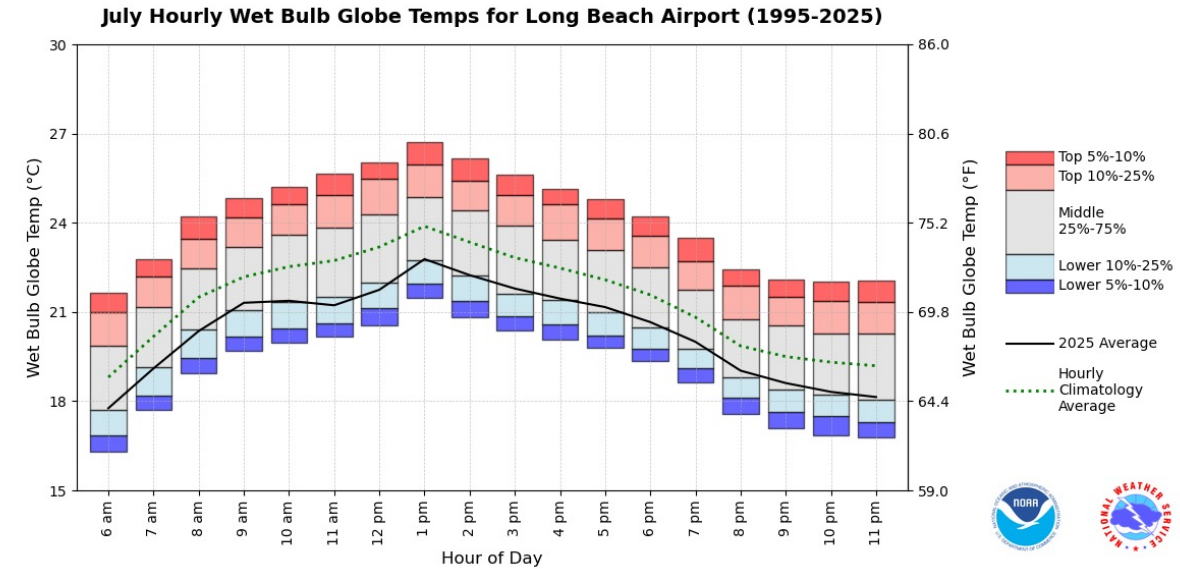
Averages between 1995 – 2025 [KLGB]



On average, hourly July temperatures at Long Beach Airport peak between the hours of 2pm-4pm. The most extreme [top 5%] temperature values at Long Beach exceed 30°C and mid-day values almost always exceed 21°C. Overall, 2025 was cooler than average at this location.

## Hourly Wet Bulb Globe [WBGT] Temperature

Averages between 1995 – 2025 [KLGB]



On average, hourly July wet bulb globe temperatures [WBGT] at Long Beach Airport peak around 1pm. The most extreme [top 5%] WBGT values at Long Beach exceed 24°C and mid-day values almost always exceed 19°C. Overall, 2025 was cooler than average at this location.

# July Temperature

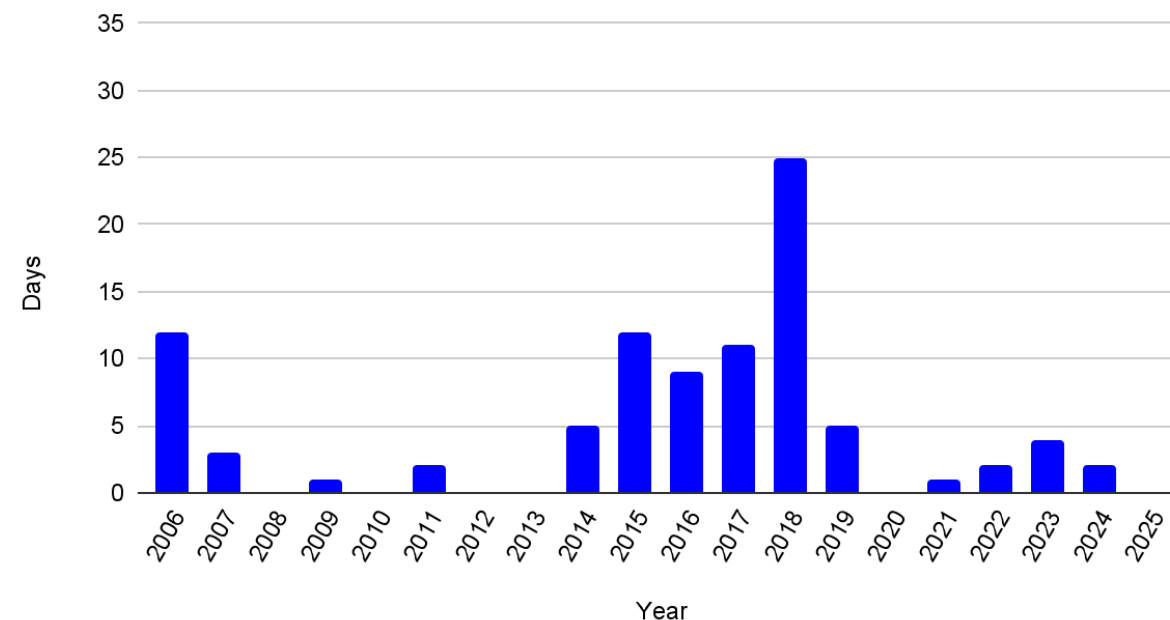
**July 2025 compared to 20-yr. average:** There were 19 Hot days [vs 16.3 normal in 20-year average], 0 Torrid days [vs 6.9 normal], and 0 Tropical nights [vs 4.7 normal]. Long Beach recorded a trace of precipitation on July 21<sup>st</sup>.

- **Monthly Average:** 21.6 °C
- **Monthly Average Max:** 25.9 °C
- **Monthly Average Min:** 17.4 °C
- **Warmest Temp:** 30.0 °C, July 9<sup>th</sup>
- **Coollest Temp:** 16.1 °C, July 1<sup>st</sup>, July 6<sup>th</sup>, July 8<sup>th</sup>

## Cumulative Numbers of Tropical Nights (>20° C) in a 10-day Period

Sums from 2006 – 2025 [KLGB ASOS]

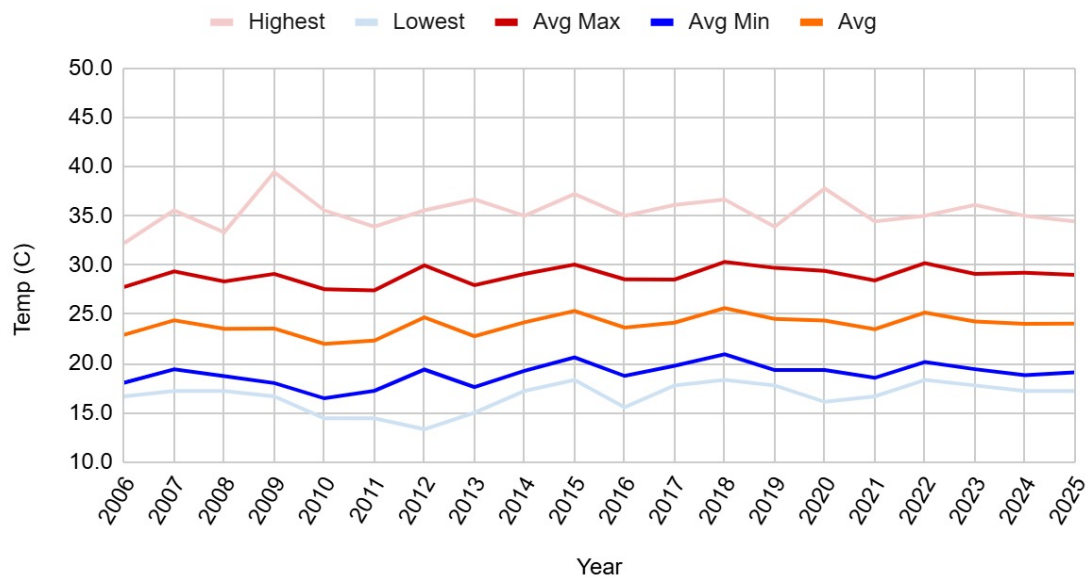
### Long Beach July Tropical Nights



# Historical Averages of AUGUST TEMPERATURE

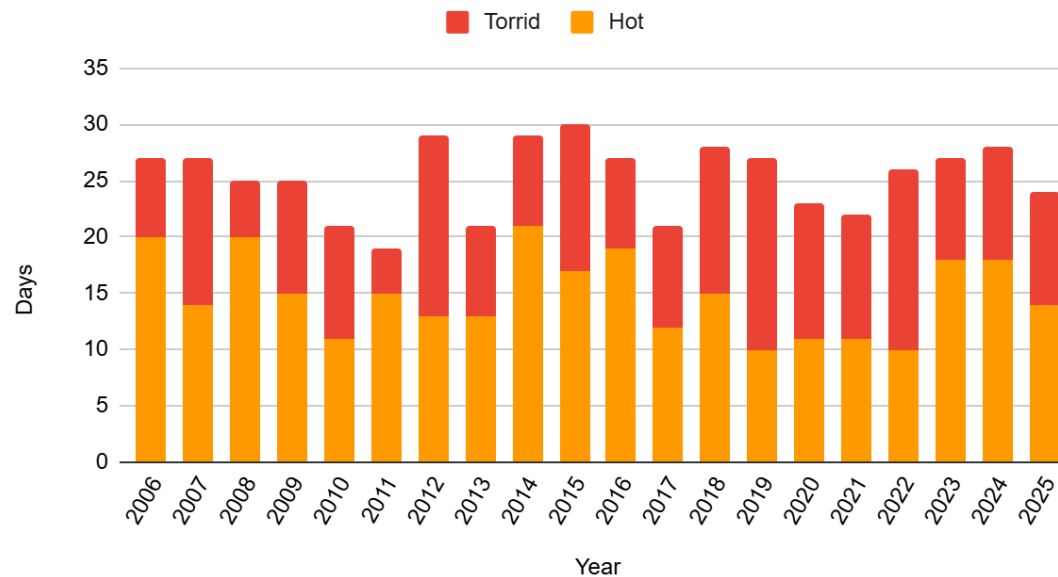
**Minimum and Maximum Daily Temperatures**  
Averages between 2006 – 2025 [KLGB ASOS]

Downtown Long Beach August Temperatures (C)



**Number of Hot Days (25°-30° C) and Torrid Days (> 30° C)**  
Averages between 2006 – 2025 [KLGB ASOS]

Downtown Long Beach August Hot and Torrid Days

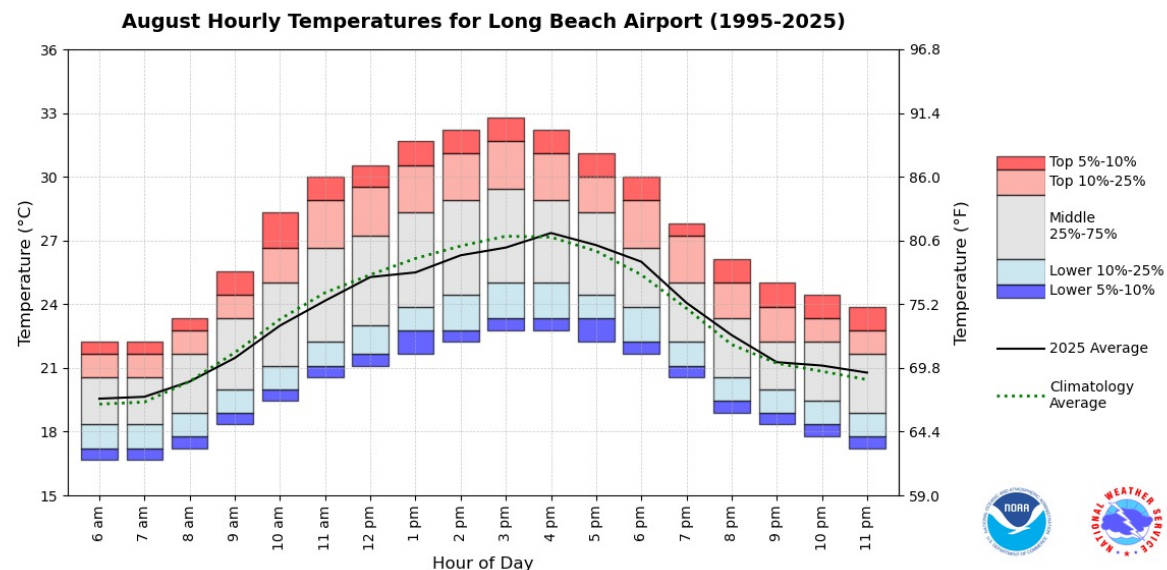


Minimum Temp. Records		Maximum Temp. Records	
Lowest Temp	13.3° C in 2012	Highest Temp	39.4° C in 2009

# Historical Averages of AUGUST TEMPERATURE

## Hourly Temperature

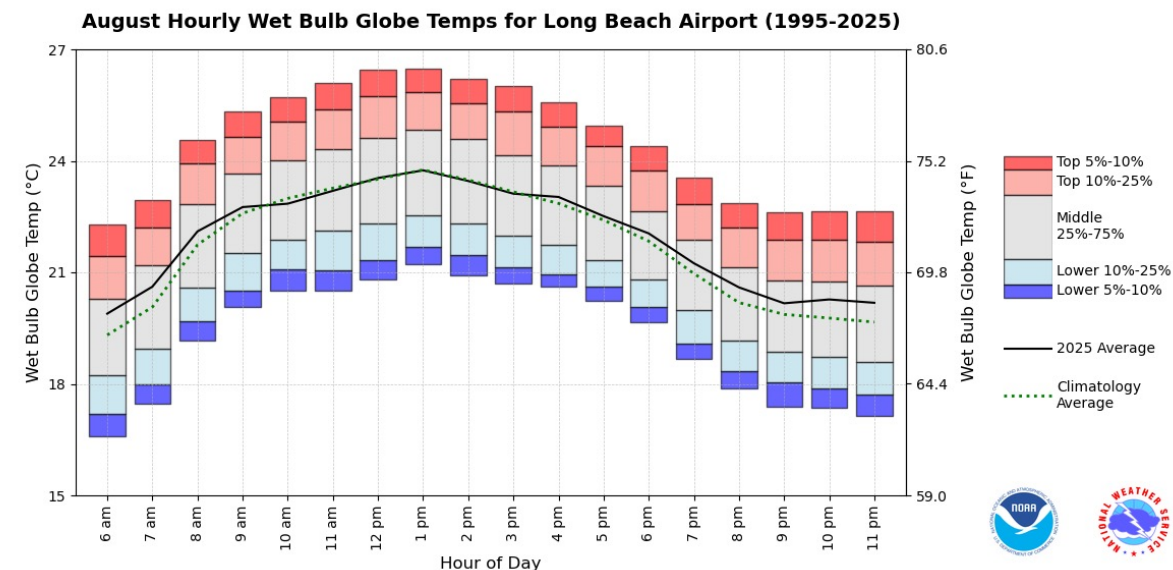
Averages between 1995 – 2025 [KLGB]



On average, hourly August temperatures at Long Beach Airport peak between the hours of 2pm-4pm. The most extreme [top 5%] temperature values at Long Beach exceed 32°C and mid-day values almost always exceed 21°C. Overall, 2025 was typical compared to the average at this location.

## Hourly Wet Bulb Globe (WBGT) Temperature

Averages between 1995 – 2025 [KLGB]



On average, hourly August wet bulb globe temperatures (WBGT) at Long Beach Airport peak between the hours of 12pm-1pm. The most extreme [top 5%] WBGT values at Long Beach exceed 26°C and mid-day values almost always exceed 20°C. Overall, 2025 was typical compared to the average at this location.

# August Temperature

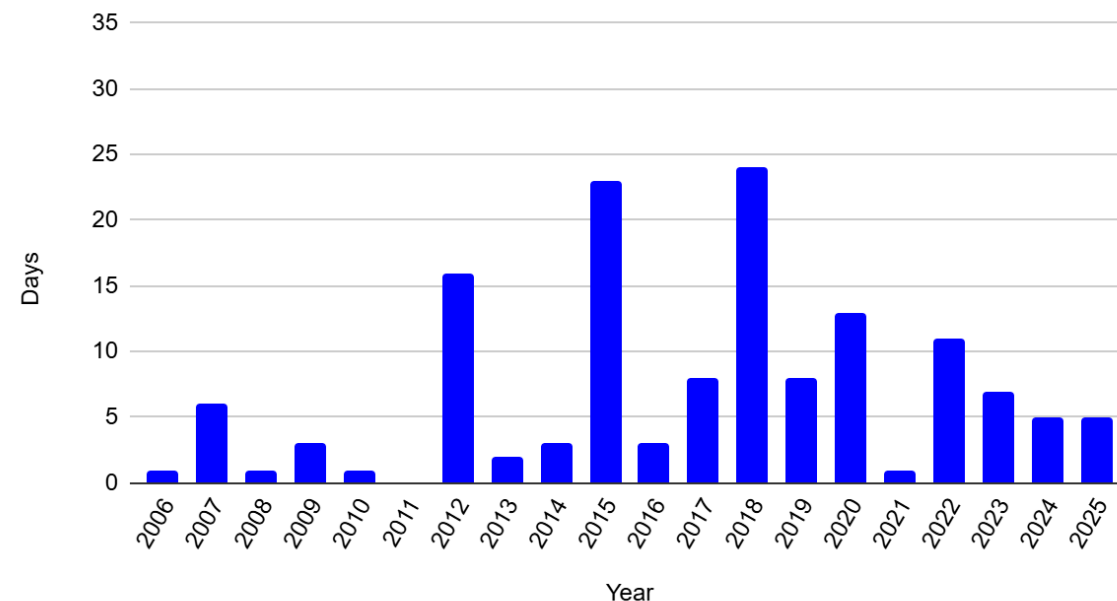
**August 2025 compared to 20-yr. average:** There were 14 Hot days [vs 14.9 normal in 20-year average], 10 Torrid days [vs 10.5 normal] and 5 Tropical nights [vs 7.1 normal]. Long Beach recorded no precipitation in August.

- **Monthly Average:** 24° C
- **Monthly Average Max:** 29 °C
- **Monthly Average Min:** 19.1°C
- **Warmest Temp:** 17.2 °C, August 1<sup>st</sup> , August 2<sup>nd</sup>
- **Coollest Temp:** 34.4 °C, August 7<sup>th</sup>

## Cumulative Numbers of Tropical Nights (> 20° C) in a 10-day Period

Sums from 2006 – 2025 [KLGB ASOS]

Downtown Long Beach August Tropical Nights



# Historical Averages of WIND

The wind is described by the direction from which it blows and its speed. Both parameters change according to the period of the day.

The wind rose diagram depicts it graphically:

- Each branch refers to one direction [N, NE, E, SE, S, SW, W, NW] and its length indicates the frequency of this direction [%].
- The colors refer to the speed ranges [speed in m/s].
- The wind is calm when its speed is less than 3.2 km/h.

## July Wind

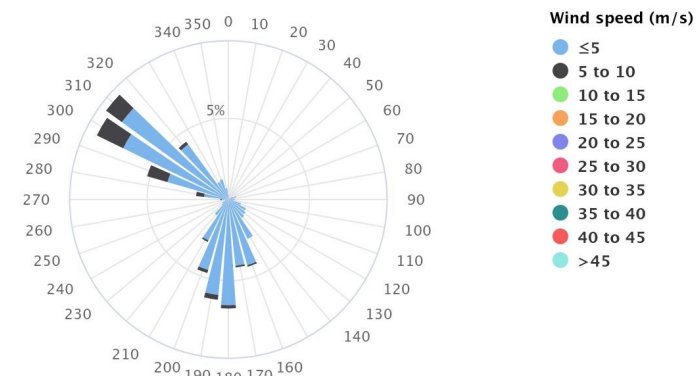
Percent averages from 2006 – 2025 [Long Beach Daugherty Ap]

## August Wind

Percent averages from 2006 – 2025 [Long Beach Daugherty Ap]

### LONG BEACH DAUGHERTY AP, CA

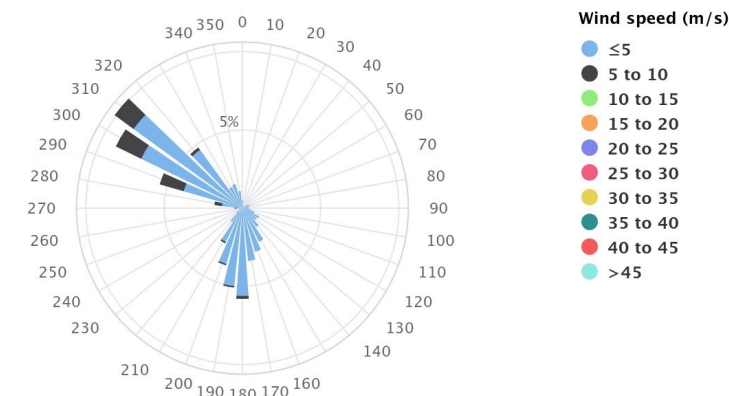
Percent of winds blowing from the indicated direction  
Date range: 2006-07-01 through 2025-07-31  
Day filter: 07-01 through 07-31



Powered by ACIS

### LONG BEACH DAUGHERTY AP, CA

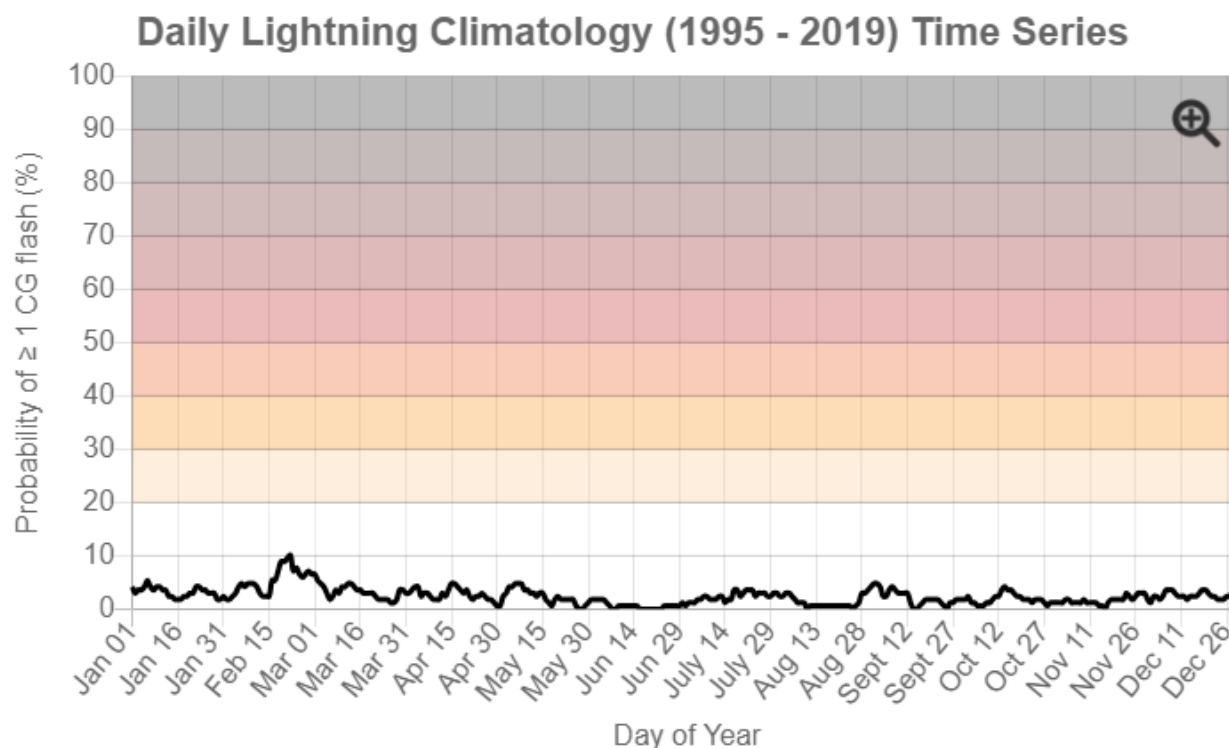
Percent of winds blowing from the indicated direction  
Date range: 2006-08-01 through 2025-08-31  
Day filter: 08-01 through 08-31



Powered by ACIS

# Historical Averages of **LIGHTNING**

**Summary:** A daily lightning climatology for the area is available using data from the Storm Prediction Center's [Data Viewer](#) and choosing 24-hour lightning. The Long Beach plot is further south and shows much less activity, as it does not include the mountain areas of Los Angeles County.



**Daily Lightning Climatology (1995 - 2019) Statistics:**

Lat Lon: 33.72, -118.12

Average Value: 2.43%

Maximum Value: 10.12% at Feb 22

Minimum Value: 0% at May 27

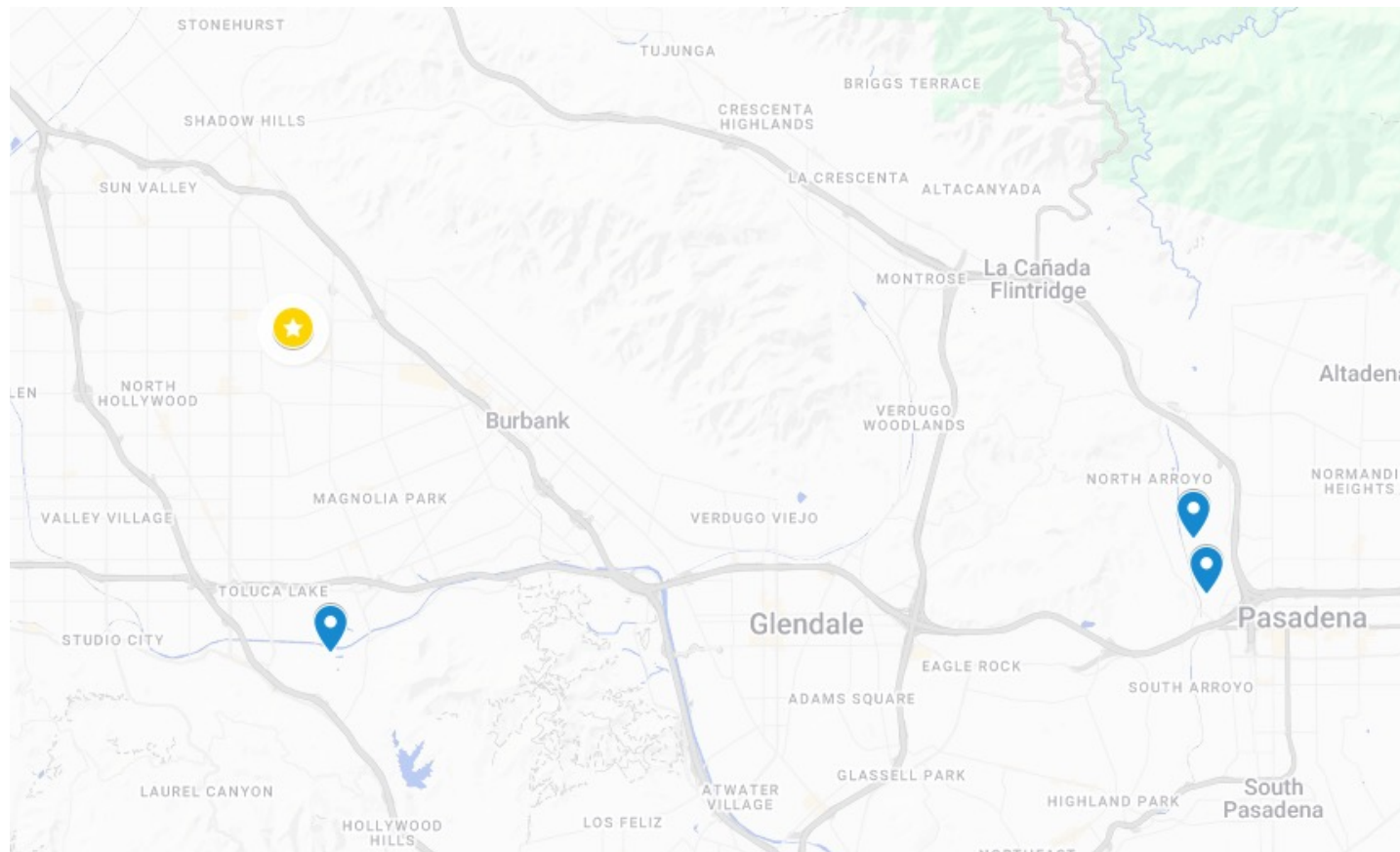
# PASADENA ZONE & UNIVERSAL CITY ZONE



- **Pasadena Zone**
  - Rose Bowl Stadium
  - Rose Bowl Aquatics Center
- **Universal City Zone**
  - Comcast Squash Center at Universal Studios



# Introduction



**WEATHER STATION**



**COMPETITION VENUE**

## **COMPETITION VENUES VS. WEATHER STATION:**

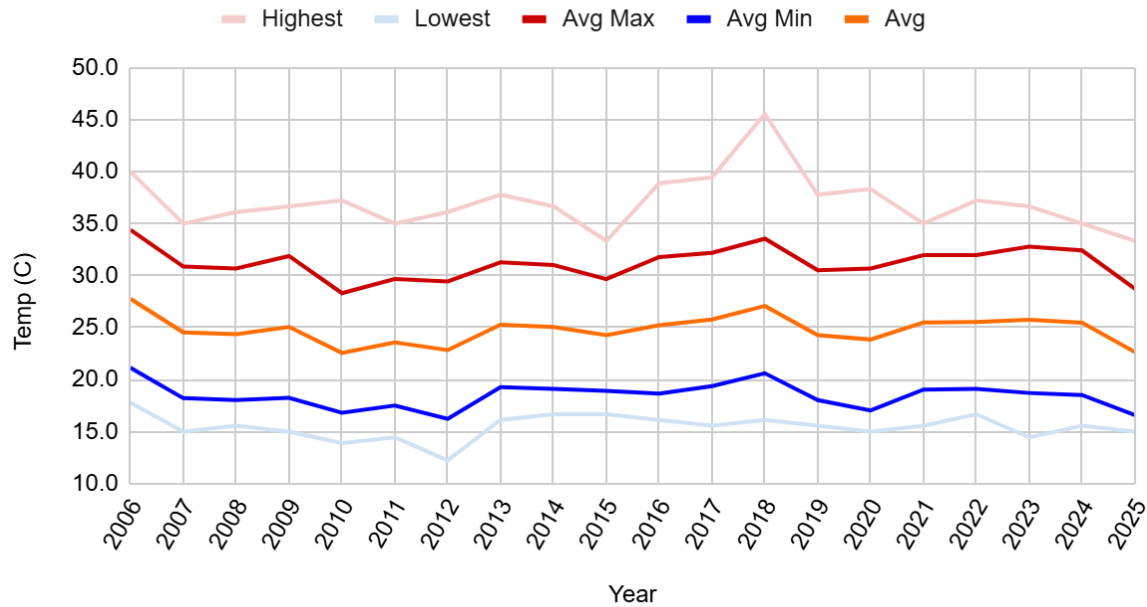
- Temperatures: Similar
- Wind: Similar
- Rainfall: Similar

Note: The climate site used for Pasadena Zone and Universal City Zone locations is the sensor at the Burbank Airport [KBUR], located in the San Fernando Valley. The Universal City Zone is 6.4 km south of the airport and the temperatures should be representative. The Pasadena Zone is about 17.7 km ESE of the airport and in a climatologically similar valley, so it will likely be representative.

# Historical Averages of JULY TEMPERATURE

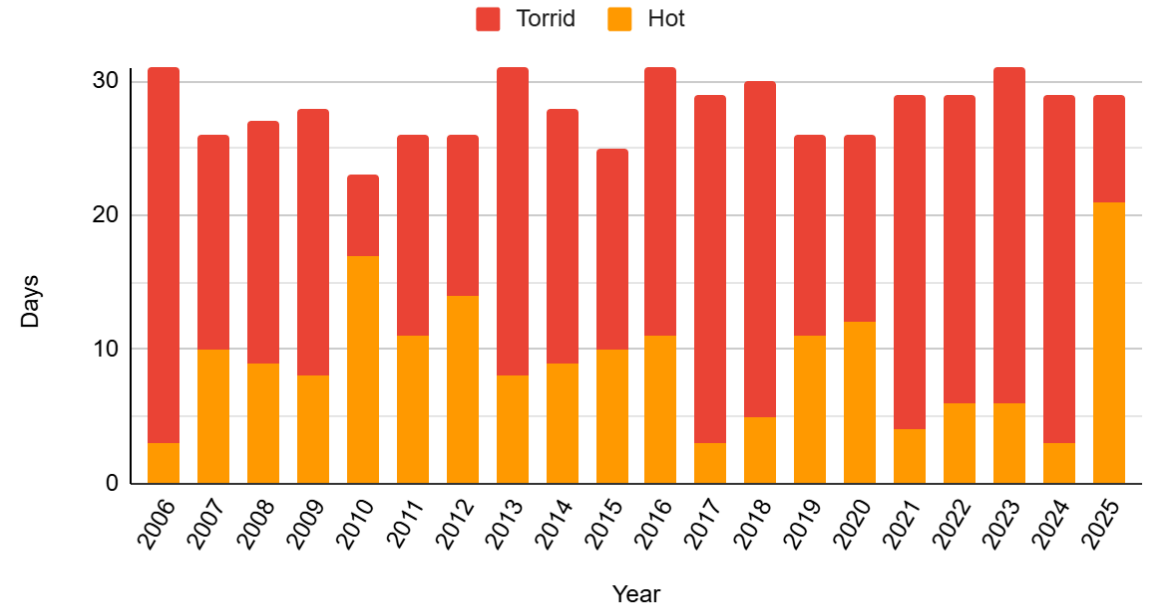
**Minimum and Maximum Daily Temperatures**  
Averages between 2006 – 2025 [KBUR]

Burbank Airport July Temperatures (C)



**Number of Hot Days [25°-30° C] and Torrid Days [ > 30° C]**  
Averages between 2006 – 2025 [KBUR]

Burbank Airport July Hot and Torrid Days

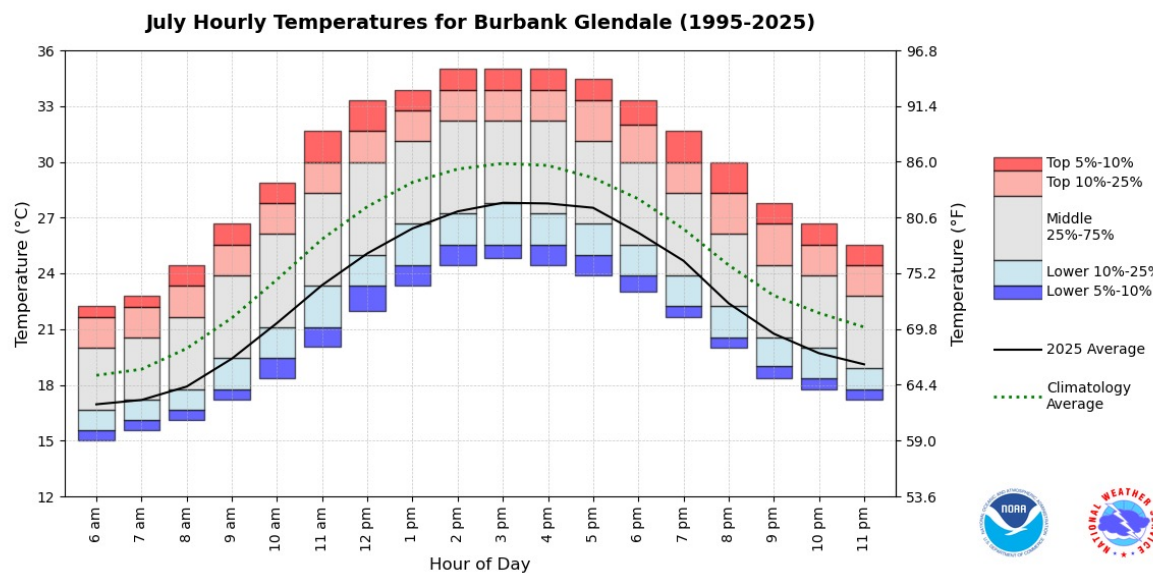


Minimum Temp. Records		Maximum Temp. Records	
Lowest Temp	12.2° C in 2012	Highest Temp	45.6° C in 2018

# Historical Averages of JULY TEMPERATURE

## Hourly Temperature

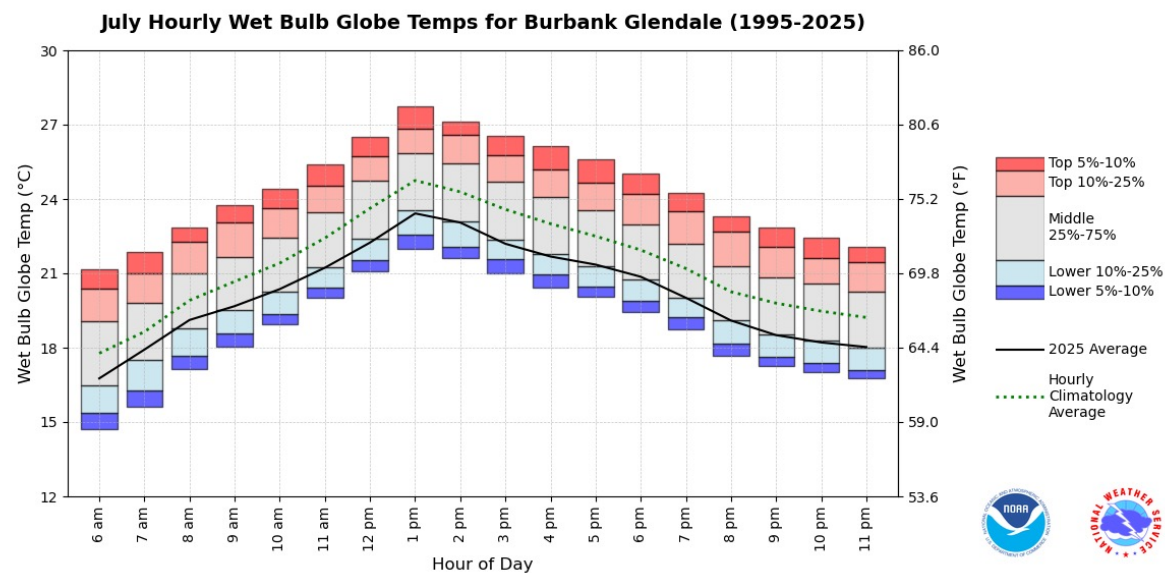
Averages between 1995 – 2025 [KBUR]



On average, hourly July temperatures at Burbank Airport peak between the hours of 2pm-4pm. The most extreme [top 5%] temperature values at Burbank exceed 33°C and mid-day values almost always exceed 23°C. Overall, 2025 was cooler than average at this location.

## Hourly Wet Bulb Globe [WBGT] Temperature

Averages between 1995 – 2025 [KBUR]



On average, hourly July wet bulb globe temperatures [WBGT] at Burbank Airport peak around 1pm. The most extreme [top 5%] WBGT values at Burbank exceed 25°C and mid-day values almost always exceed 19°C. Overall, 2025 was cooler than average at this location.

# July Temperature

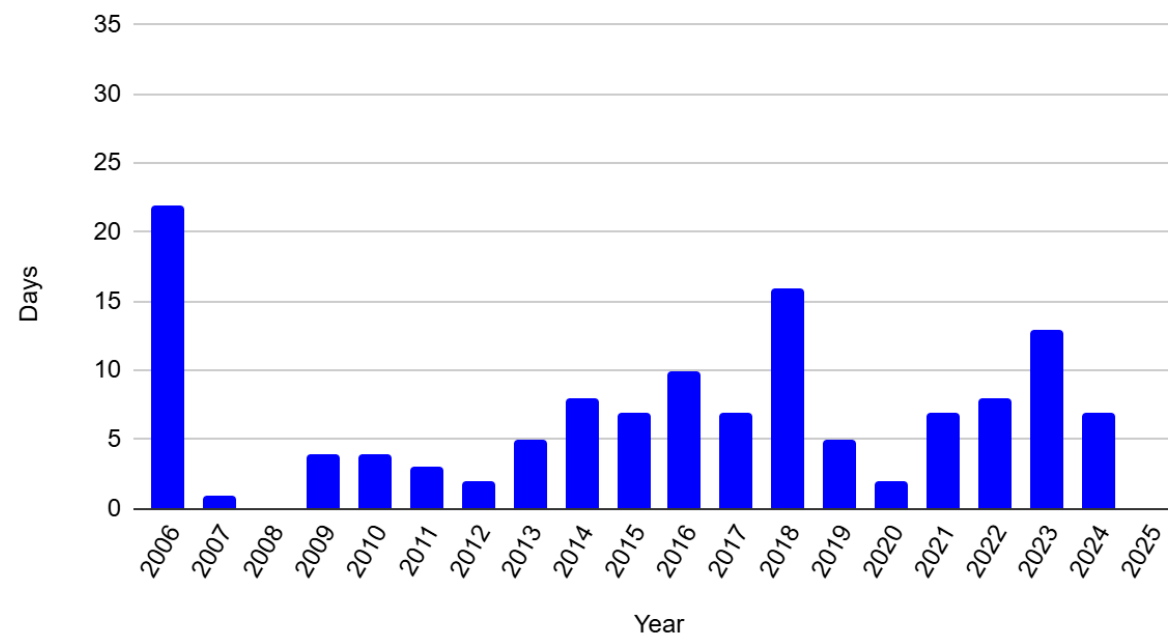
**July 2025 compared to 20-yr. average:** There were 21 Hot days [vs 9.1 normal in 20-year average], 8 Torrid days [vs 19 normal], and 0 Tropical nights [vs 6.6 normal]. There was no recorded precipitation during July 2025.

- **Monthly Average:** 22.7 °C
- **Monthly Average Max:** 28.7 °C
- **Monthly Average Min:** 16.1 °C
- **Warmest Temp:** 30.3 °C, July 8<sup>th</sup>, 9<sup>th</sup>, 10<sup>th</sup>
- **Coollest Temp:** 15 °C, July 24<sup>th</sup>, 26<sup>th</sup>

## Cumulative Numbers of Tropical Nights (>20° C) in a 10-day Period

Sums from 2006 – 2025 [KBUR]

Burbank Airport July Tropical Nights



# Historical Averages of WIND

The wind is described by the direction from which it blows and its speed. Both parameters change according to the period of the day.

The wind rose diagram depicts it graphically:

- Each branch refers to one direction [N, NE, E, SE, S, SW, W, NW] and its length indicates the frequency of this direction [%].
- The colors refer to the speed ranges [speed in m/s].
- The wind is calm when its speed is less than 3.2 km/h.

## July Wind

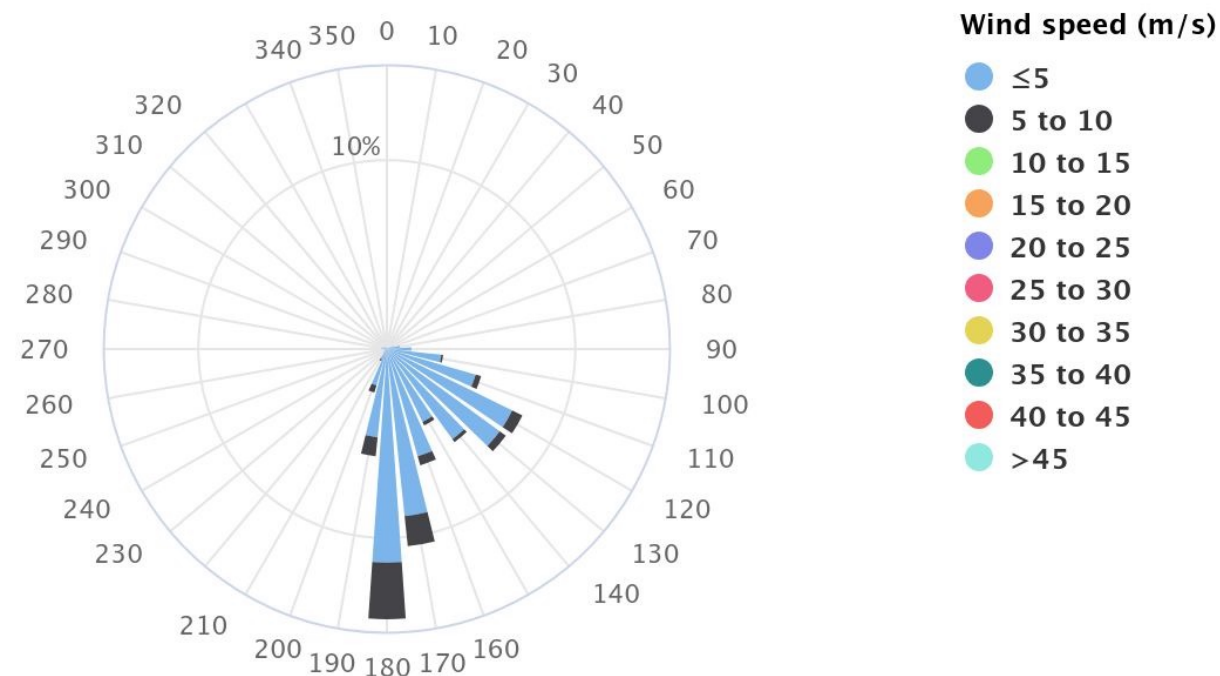
Percent averages from 2005 – 2025 [Burbank Airport]

### BURBANK GLENDALE PASADENA AP, CA

Percent of winds blowing from the indicated direction

Date range: 2005-07-01 through 2025-07-31

Day filter: 07-01 through 07-31



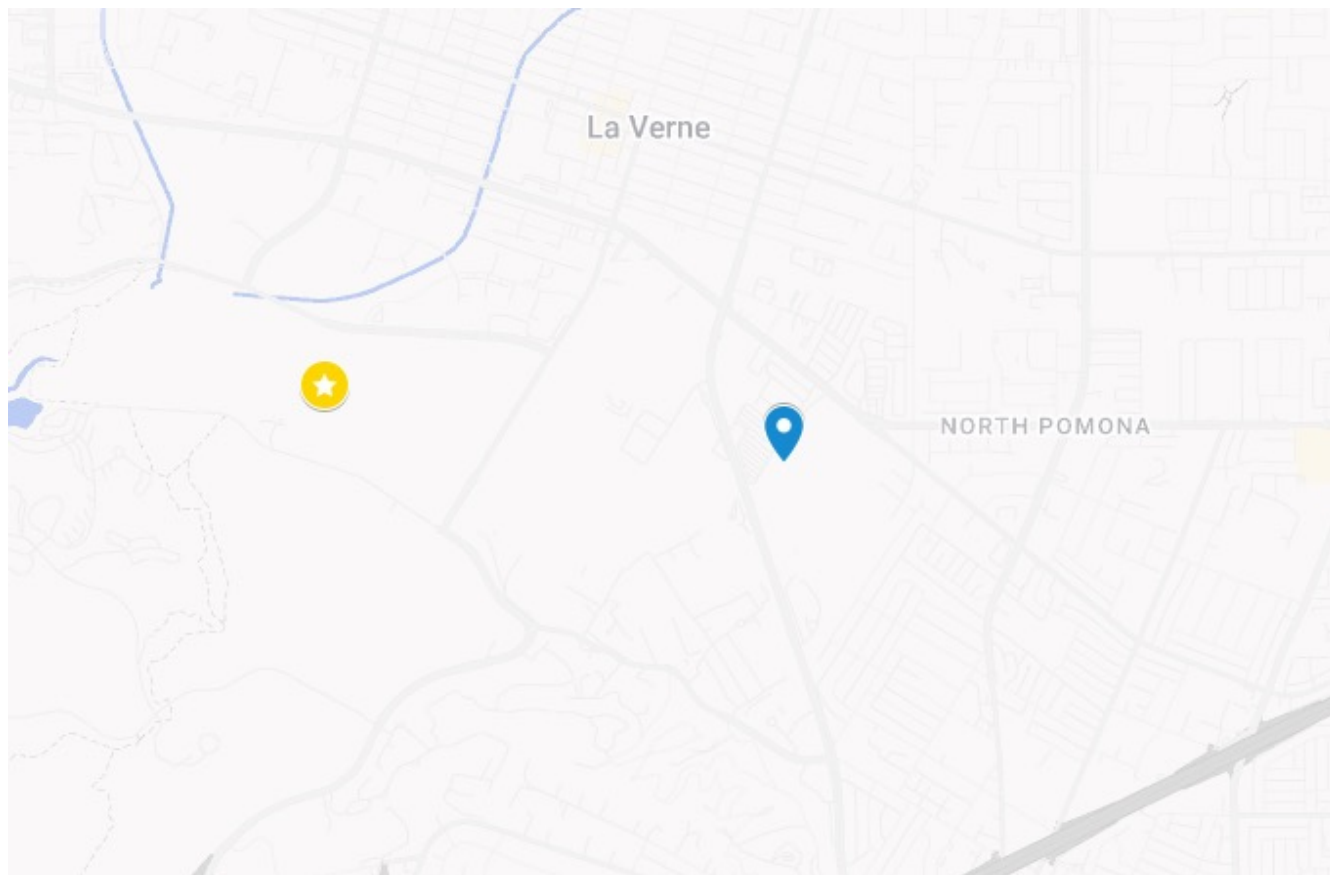
# POMONA ZONE



- **Fairgrounds Cricket Stadium**



# Introduction



**WEATHER STATION**



**COMPETITION VENUE**

## **COMPETITION VENUES VS. WEATHER STATION:**

- Temperatures: Similar
- Wind: Similar
- Rainfall: Similar to DTLA Zone

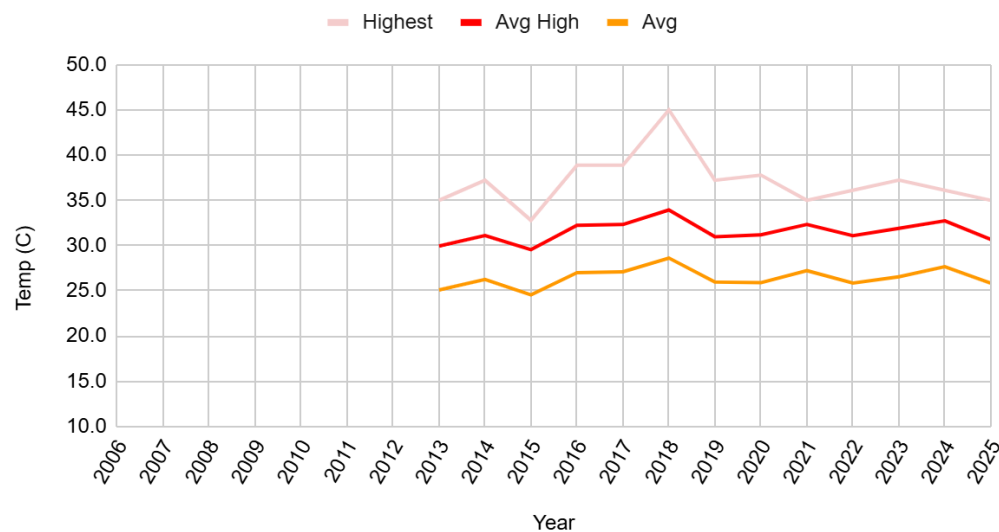
Note: The climate site used for the Pomona Zone is the sensor at Brackett Field [KPOC]. The Fairgrounds are 1.6 km ESE of the airport, so temperatures should be representative. The airport only has observations during daytime hours, roughly 7 am to 8 pm, so no low temperature information is available. Low temperatures and precipitation would be similar to the Downtown Los Angeles [DTLA Zone] venues.

# Historical Averages of JULY TEMPERATURE

## Maximum Daily Temperatures

Averages between 2006 – 2025 [KPOC]

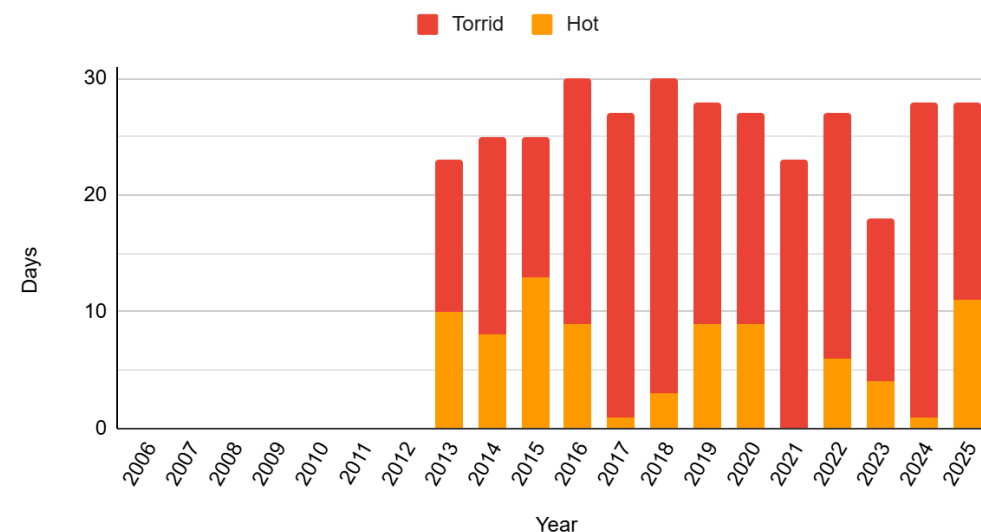
KPOC July Daytime Temperatures (C)



## Number of Hot Days [25°-30° C] and Torrid Days [ > 30° C]

Averages between 2006 – 2025 [KPOC]

KPOC July Hot and Torrid Days



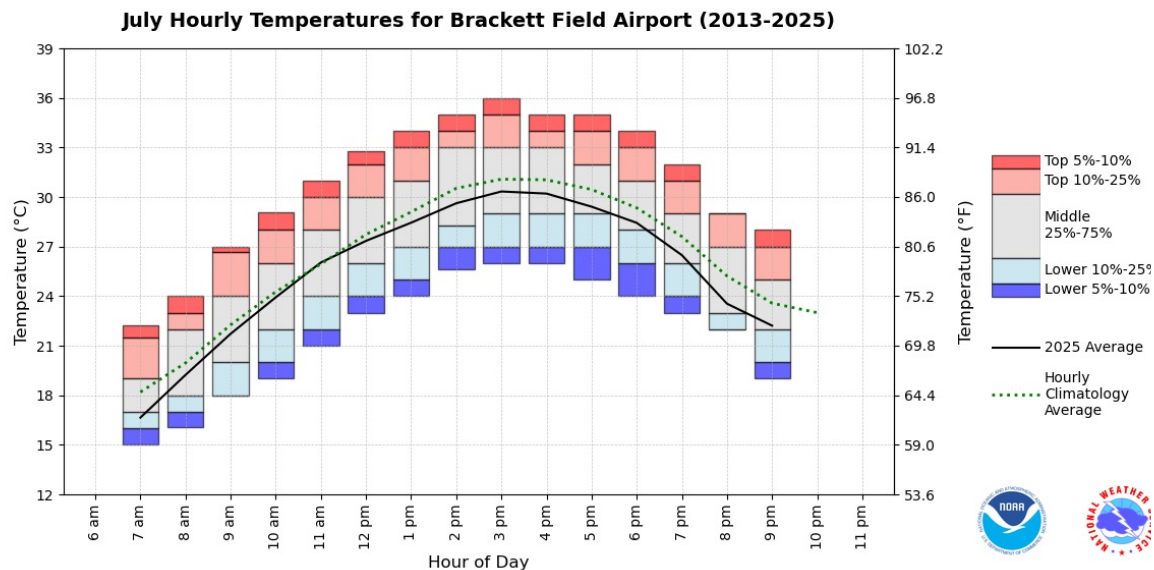
**July 2025 compared to 20-yr. average:** There were 11 Hot days [vs 6.5 normal in 13-year average], and 17 Torrid days [vs 19.6 normal]. Low temperatures and precipitation would be similar to the DTLA Zone.

- **Monthly Daytime Average:** 25.8°C
- **Monthly Average Max:** 30.7°C
- **Warmest Temp:** 35°C, occurred twice
- **Historical Highest Temp:** 38.9° C in 2018

# Historical Averages of JULY TEMPERATURE

## Hourly Temperature

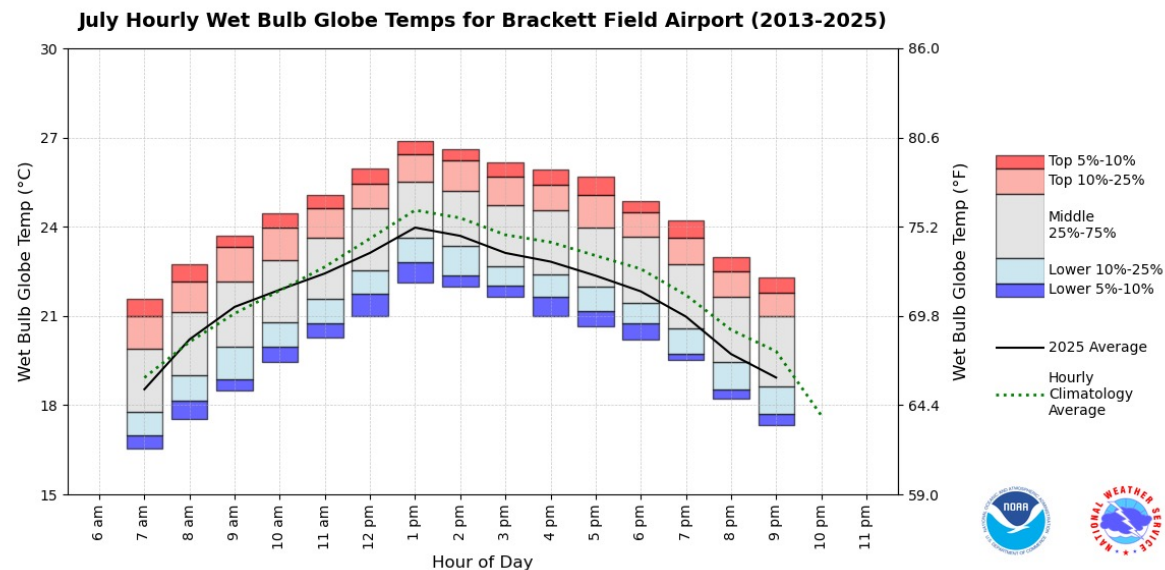
Averages between 1995 – 2025 [KPOC]



On average, hourly July temperatures at Brackett Field Airport peak between the hours of 2pm-5pm. The most extreme [top 5%] temperature values at Brackett Field exceed 33°C and mid-day values almost always exceed 22°C. Overall, 2025 was slightly cooler compared to the average at this location.

## Hourly Wet Bulb Globe [WBGT] Temperature

Averages between 1995 – 2025 [KPOC]



On average, hourly July wet bulb globe temperatures [WBGT] at Brackett Field Airport peak around 1pm. The most extreme [top 5%] WBGT values at Brackett Field exceed 25°C and mid-day values almost always exceed 21°C. Overall, 2025 was slightly cooler compared to the average at this location.

# Historical Averages of WIND

The wind is described by the direction from which it blows and its speed. Both parameters change according to the period of the day.

The wind rose diagram depicts it graphically:

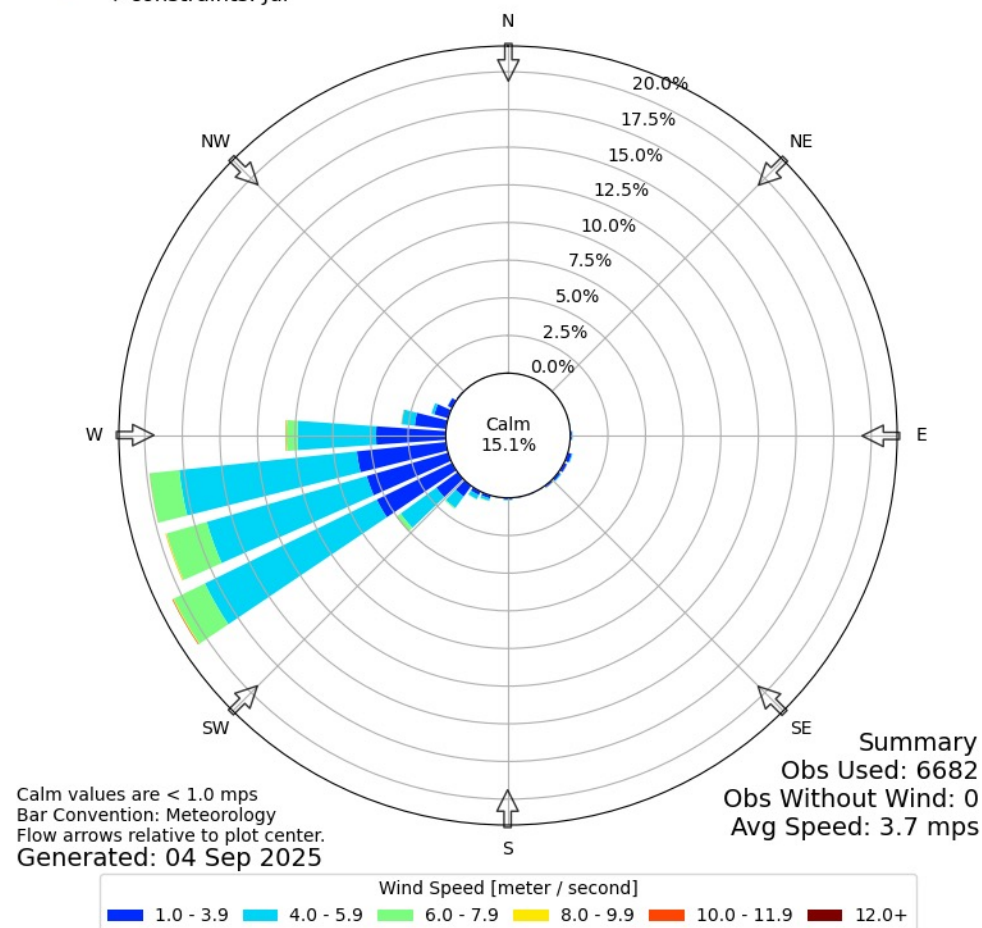
- Each branch refers to one direction [N, NE, E, SE, S, SW, W, NW] and its length indicates the frequency of this direction [%].
- The colors refer to the speed ranges [speed in m/s].
- The wind is calm when its speed is less than 3.2 km/h.

## July Wind

Percent averages from 2005 – 2025 [Brackett Field KPOC]



Windrose Plot for [POC] LA VERNE/BRACKETT  
Obs Between: 01 Jul 2005 09:47 AM - 31 Jul 2025 08:47 PM America/Los\_Angeles  
↳ constraints: Jul



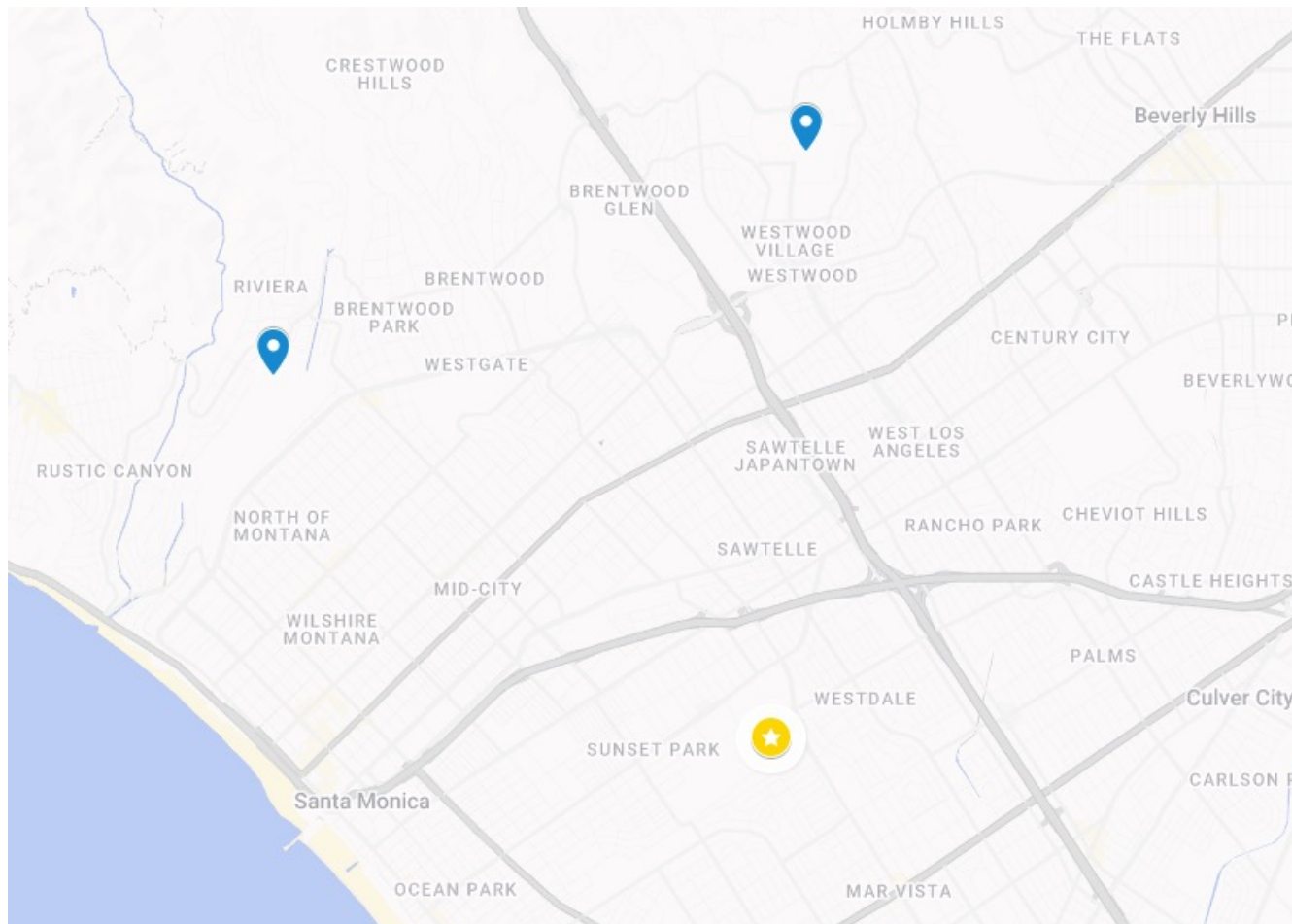


# **RIVIERA ZONE & OLYMPIC & PARALYMPIC VILLAGE**

- **Riviera Zone**
  - Riviera Country Club
- **Olympic and Paralympic Village**



# Introduction



**WEATHER STATION**



**COMPETITION VENUE**

## **COMPETITION VENUES VS. WEATHER STATION:**

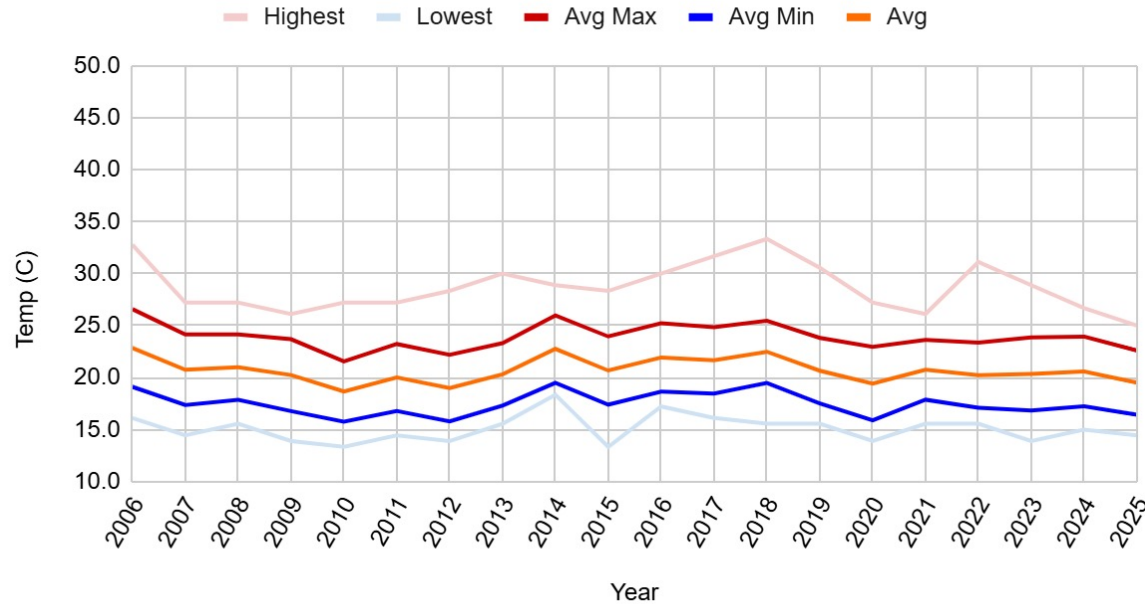
- Temperatures: Up to 1-2 °C warmer at Village
- Wind: Similar
- Rainfall: Similar

Note: The climate site used for the Riviera Zone and the Olympic and Paralympic Village is the sensor at the Santa Monica Airport (KSMO). Riviera Zone is 6.1 km NW of the airport and at a nearly equal inland distance as the airport, so the temperatures should be representative. The Olympic and Paralympic Village is about 5.6 km north of the airport so it will likely be 1 °C above the airport temperatures. As the Village is further inland, it is also possible that the airport could be in fog/low stratus during the morning while the Village remains clear. In those conditions, the Village would warm much more quickly and likely have an afternoon high up to 5°F [2 °C] warmer than the airport.

# Historical Averages of JULY TEMPERATURE

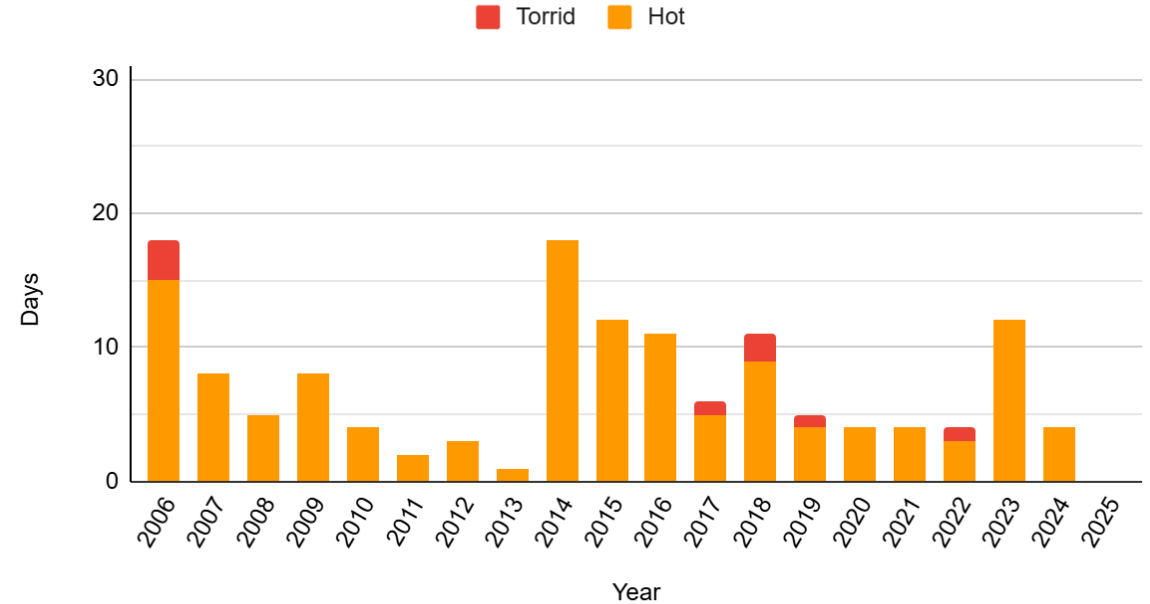
**Minimum and Maximum Daily Temperatures**  
Averages between 2006 – 2025 [KSMO]

Santa Monica Airport July Temperatures (C)



**Number of Hot Days [25°-30° C] and Torrid Days [ > 30° C]**  
Averages between 2006 – 2025 [KSMO]

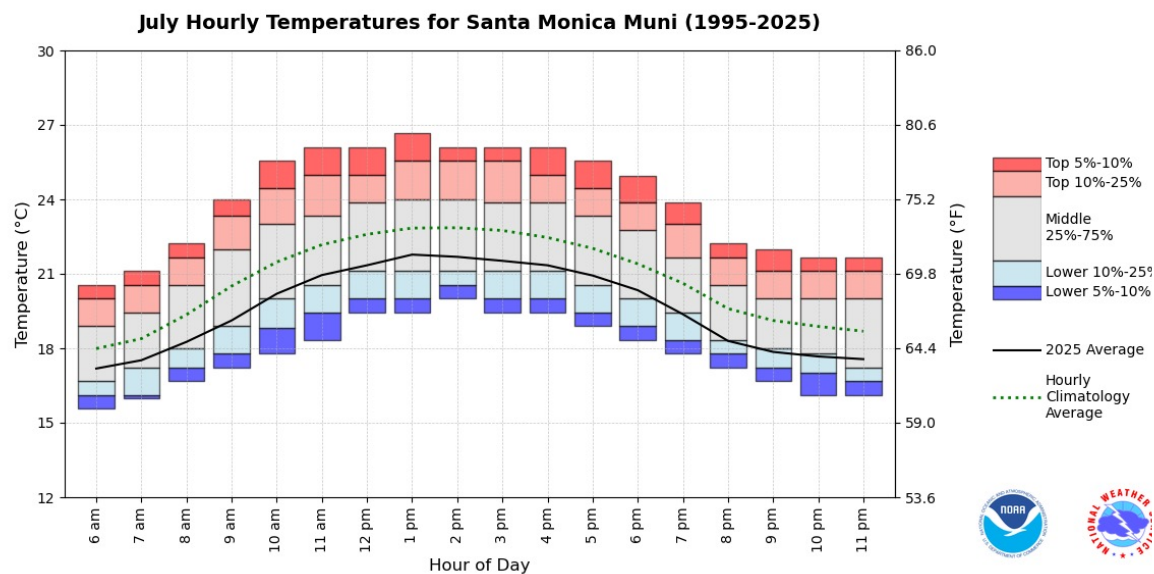
Santa Monica Airport July Hot and Torrid Days



Minimum Temp. Records		Maximum Temp. Records	
Lowest Temp	13.3° C in 2015	Highest Temp	33.3° C in 2018

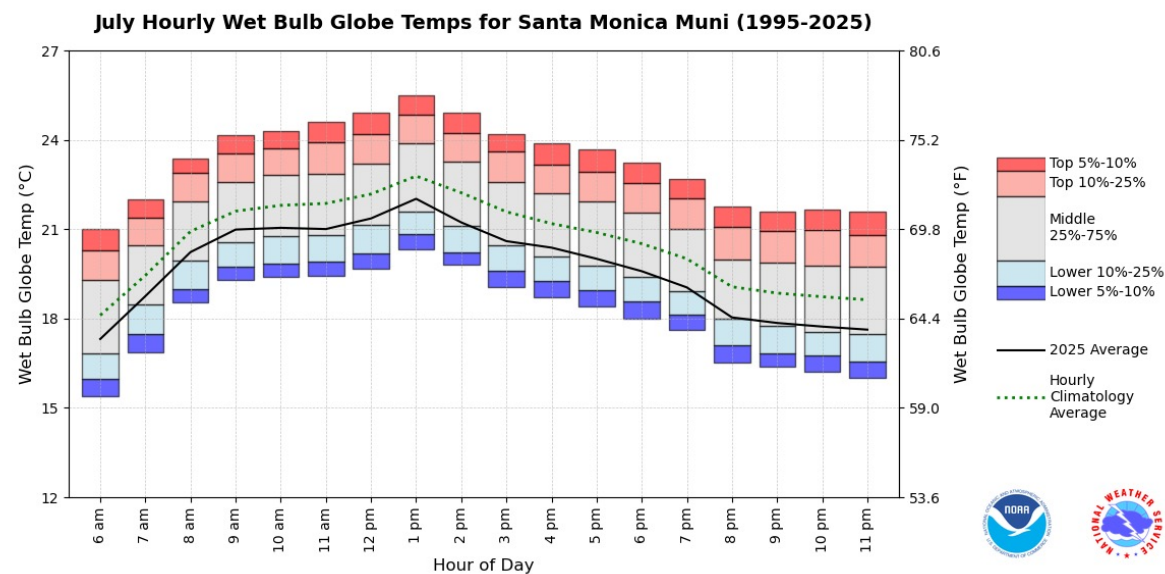
# Historical Averages of JULY TEMPERATURE

## Hourly Temperature Averages between 1995 – 2025 [KSMO]



On average, hourly July temperatures at Santa Monica Airport peak around 1pm. The most extreme [top 5%] temperature values at Santa Monica exceed 25°C and mid-day values almost always exceed 18°C. Overall, 2025 was cooler than average at this location.

## Hourly Wet Bulb Globe (WBGT) Temperature Averages between 1995 – 2025 [KSMO]



On average, hourly July wet bulb globe temperatures (WBGT) at Santa Monica Airport peak around 1pm. The most extreme [top 5%] WBGT values at Santa Monica exceed 24°C and mid-day values almost always exceed 18°C. Overall, 2025 was cooler than average at this location.

# July Temperature

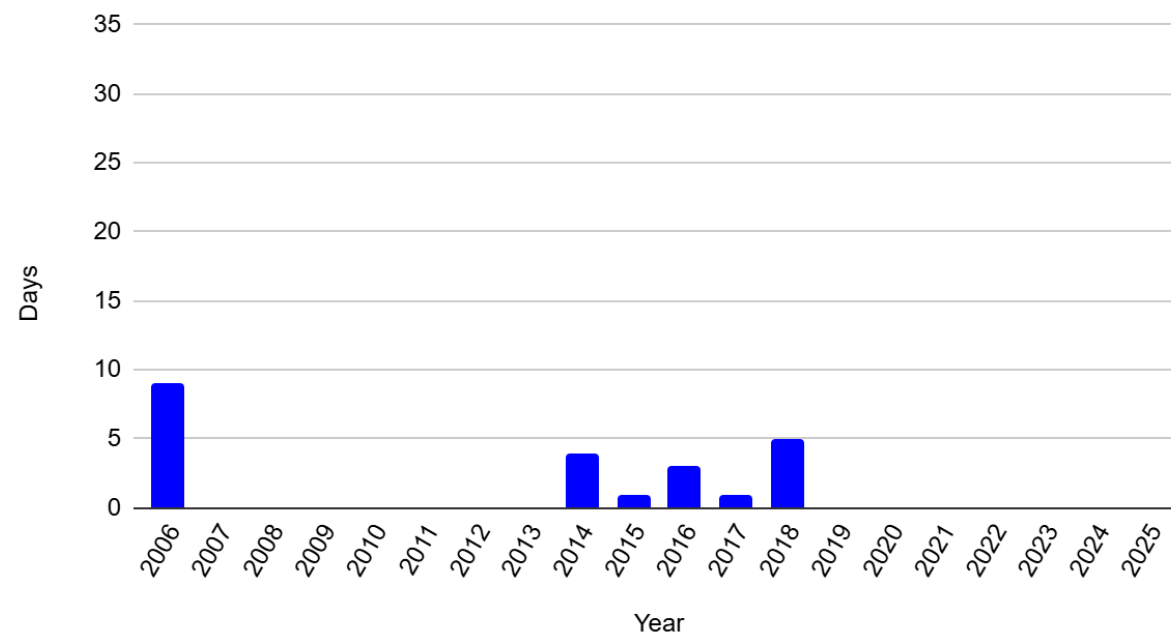
**July 2025 compared to 20-yr. average:** There were 0 Hot days [vs 6.6 normal in 20-year average], 0 Torrid days [vs 0.4 normal] and 0 Tropical nights [vs 1.2 normal]. There was one day with a trace of recorded precipitation during July 2025.

- **Monthly Average:** 19.5 °C
- **Monthly Average Max:** 22.6 °C
- **Monthly Average Min:** 16.4 °C
- **Warmest Temp:** 25 °C, July 10<sup>th</sup>
- **Coollest Temp:** 14.4 °C, July 8<sup>th</sup>

## Cumulative Numbers of Tropical Nights (>20° C) in a 10-day Period

Sums from 2006 – 2025 [KSMO]

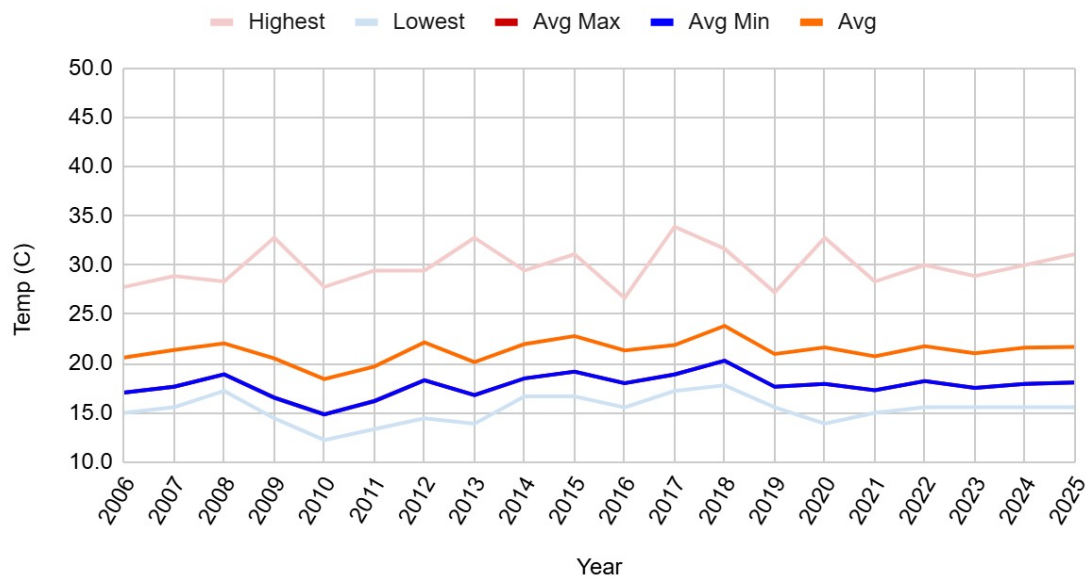
Santa Monica Airport July Tropical Nights



# Historical Averages of AUGUST TEMPERATURE

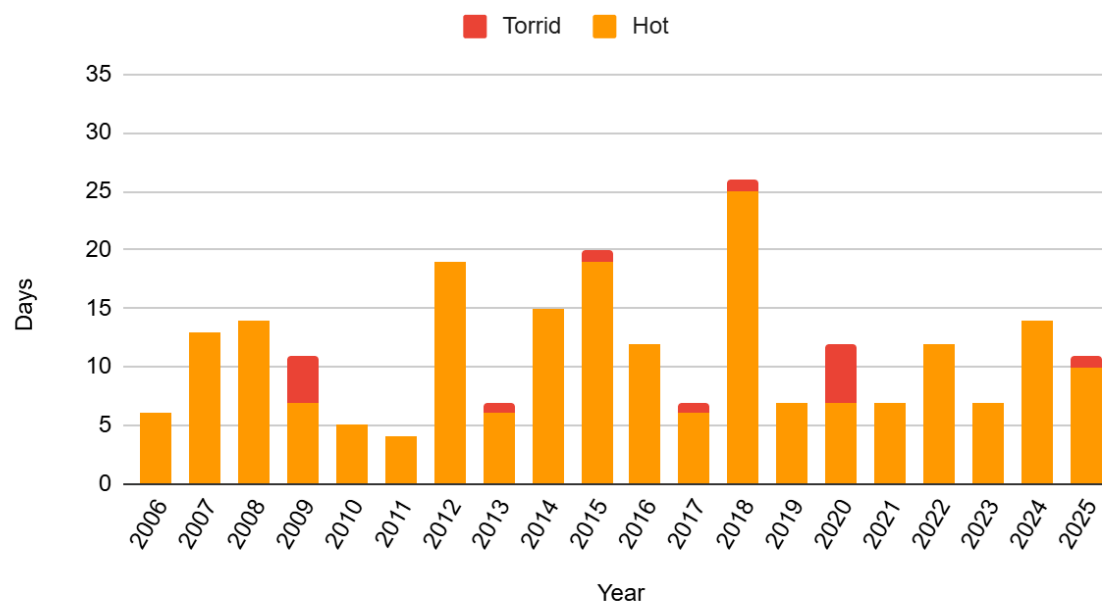
**Minimum and Maximum Daily Temperatures**  
Averages between 2006 – 2025 [KLG B ASOS]

Santa Monica Area August Temperatures (C)



**Number of Hot Days (25°-30° C) and Torrid Days (> 30° C)**  
Averages between 2006 – 2025 [KSMO]

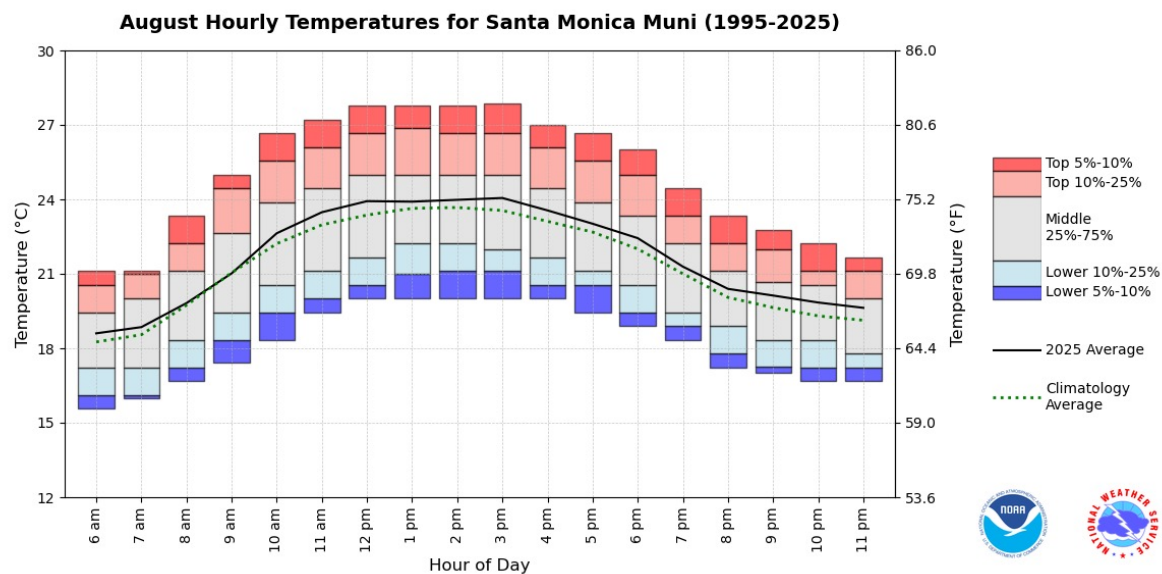
Santa Monica Area August Hot and Torrid Days



Minimum Temp. Records		Maximum Temp. Records	
Lowest Temp	12.2° C in 2010	Highest Temp	33.9° C in 2017

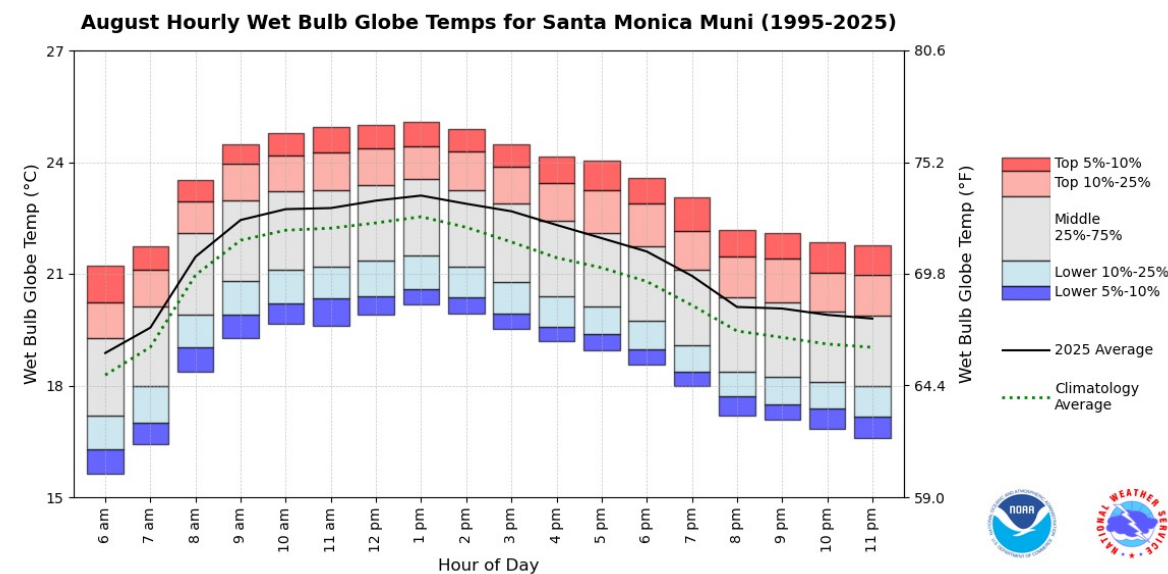
# Historical Averages of AUGUST TEMPERATURE

## Hourly Temperature Averages between 1995 – 2025 [KSMO]



On average, hourly August temperatures at Santa Monica Airport peak between the hours of 12pm-3pm. The most extreme [top 5%] temperature values at Santa Monica exceed 27°C and mid-day values almost always exceed 19°C. Overall, 2025 was slightly warmer than average at this location.

## Hourly Wet Bulb Globe (WBGT) Temperature Averages between 1995 – 2025 [KSMO]



On average, hourly August wet bulb globe temperatures (WBGT) at Santa Monica Airport peak around 1pm. The most extreme [top 5%] WBGT values at Santa Monica exceed 24°C and mid-day values almost always exceed 19°C. Overall, 2025 was warmer than average at this location.

# August Temperature

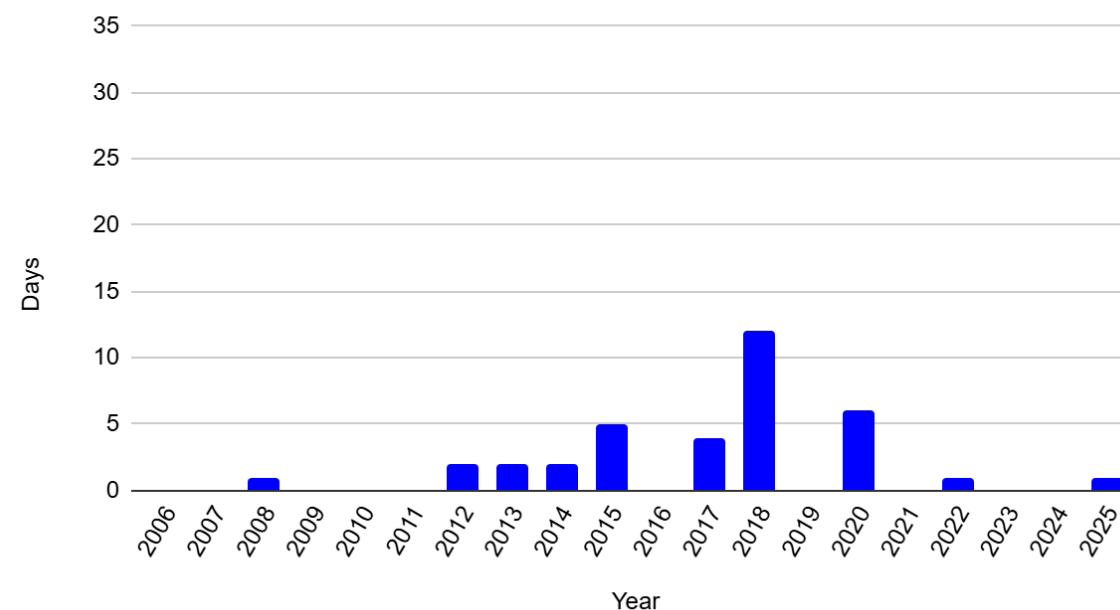
**August 2025 compared to 20-yr. average:** There were 10 Hot days [vs 10.8 normal in 20-year average], 1 Torrid days [vs 0.7 normal], and 1 Tropical night [vs 1.8 normal]. There was no recorded precipitation during August 2025.

- **Monthly Average:** 21.7° C
- **Monthly Average Max:** 25.3 °C
- **Monthly Average Min:** 16.4°C
- **Warmest Temp:** 31.1 °C, August 23<sup>rd</sup>
- **Coollest Temp:** 15.6 °C, August 1<sup>st</sup>

## Cumulative Numbers of Tropical Nights (> 20° C) in a 10-day Period

Sums from 2006 – 2025 [KSM0]

Santa Monica Area August Tropical Nights



# Historical Averages of WIND

The wind is described by the direction from which it blows and its speed. Both parameters change according to the period of the day.

The wind rose diagram depicts it graphically:

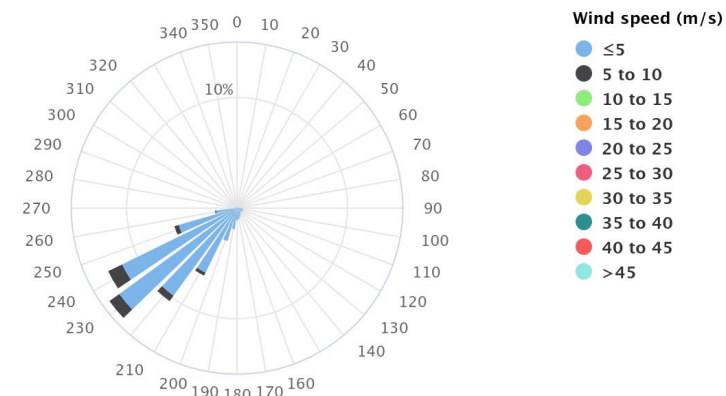
- Each branch refers to one direction [N, NE, E, SE, S, SW, W, NW] and its length indicates the frequency of this direction [%].
- The colors refer to the speed ranges [speed in m/s].
- The wind is calm when its speed is less than 3.2 km/h.

## July Wind

Percent averages from 2005 – 2025 [Santa Monica Airport]

### SANTA MONICA MUNICIPAL AP, CA

Percent of winds blowing from the indicated direction  
Date range: 2005-07-01 through 2025-07-31  
Day filter: 07-01 through 07-31



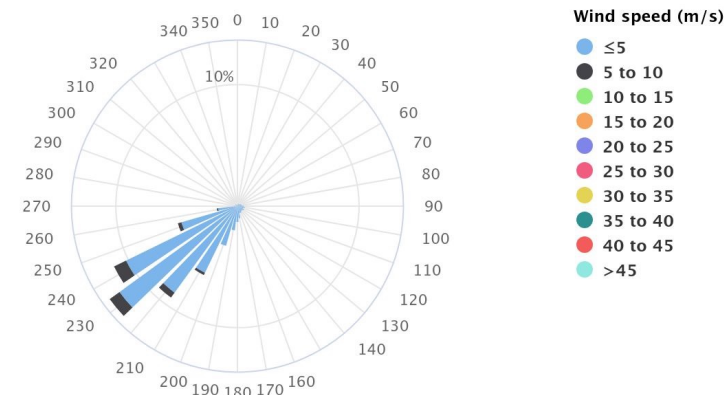
Powered by ACIS

## August Wind

Percent averages from 2006 – 2025 [Santa Monica Airport]

### SANTA MONICA MUNICIPAL AP, CA

Percent of winds blowing from the indicated direction  
Date range: 2006-08-01 through 2025-08-31  
Day filter: 08-01 through 08-31



Powered by ACIS

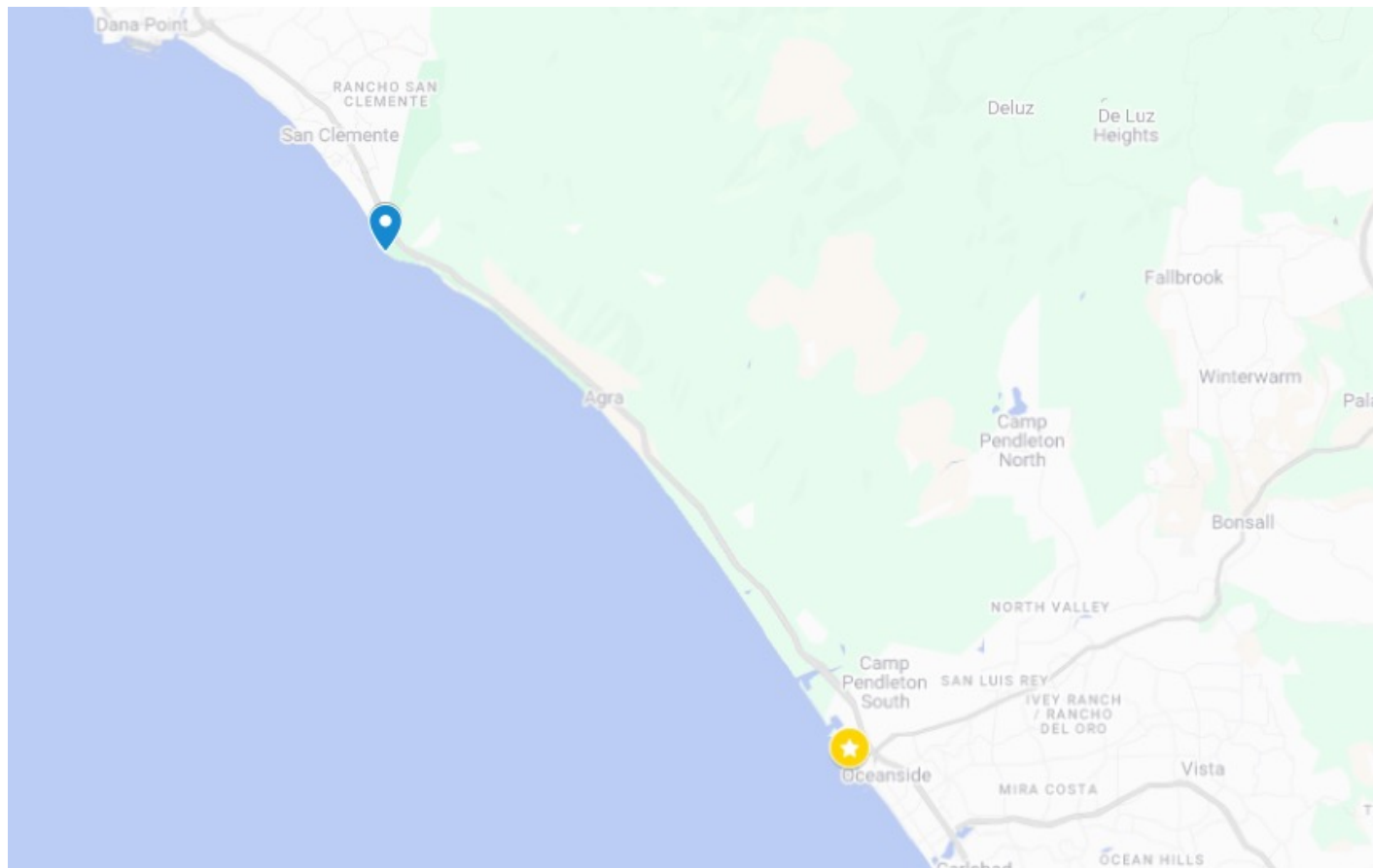
# TRESTLES BEACH ZONE



- **Trestles State Beach**



# Introduction



**WEATHER STATION**



**COMPETITION VENUE**

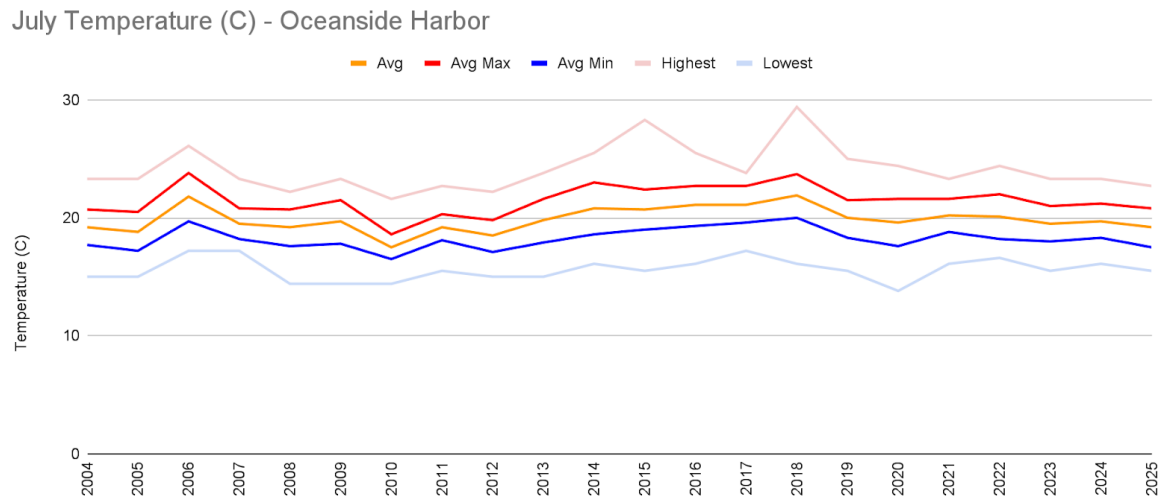
## **COMPETITION VENUES VS. WEATHER STATION:**

- Temperatures: Similar
- Wind: Similar
- Rainfall: Similar

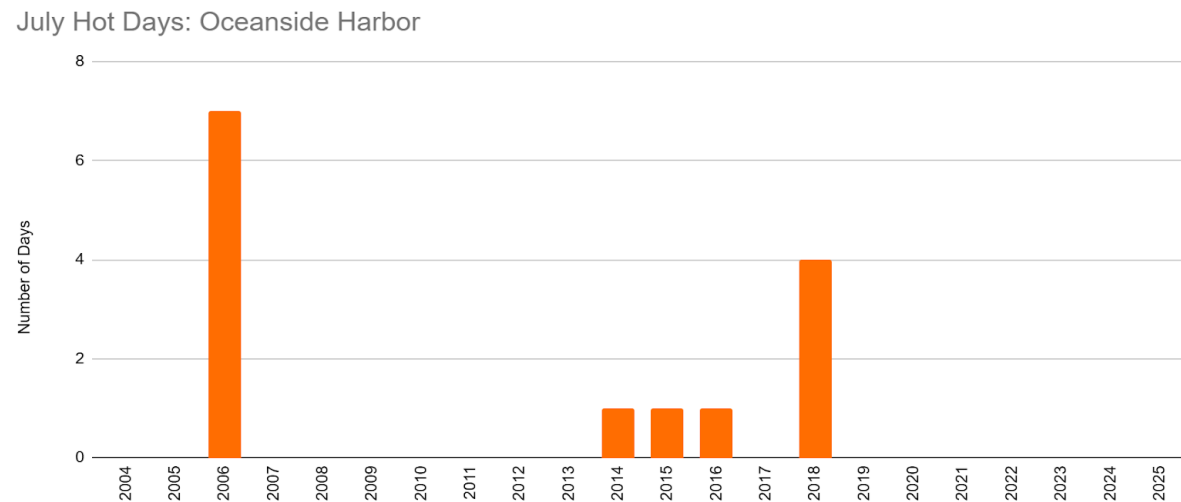
Note: Climate data for the Trestles Beach Zone is taken from the Oceanside Harbor climate station, except wind data are taken from the Oceanside Municipal Airport [OKB], approximately 4 km up the San Luis Rey River Valley to the east-northeast. Data from the Oceanside Harbor climate station was selected as most representative for this zone.

# Historical Averages of JULY TEMPERATURE

**Minimum and Maximum Daily Temperatures**  
Averages between 2004 – 2025 (Oceanside Harbor)



**Number of Hot Days [25°-30° C] and Torrid Days [ > 30° C]**  
Averages between 2004 – 2025 (Oceanside Harbor)

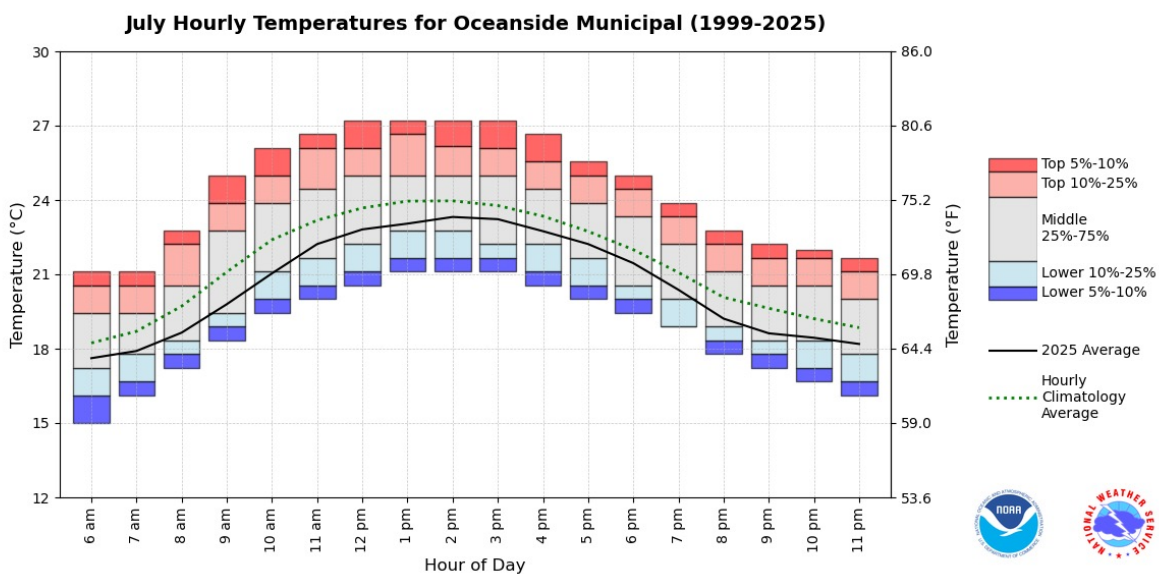


Minimum Temp. Records		Maximum Temp. Records	
Lowest Temp	13.9°C in 2020	Highest Temp	29.4°C in 2018

# Historical Averages of JULY TEMPERATURE

## Hourly Temperature

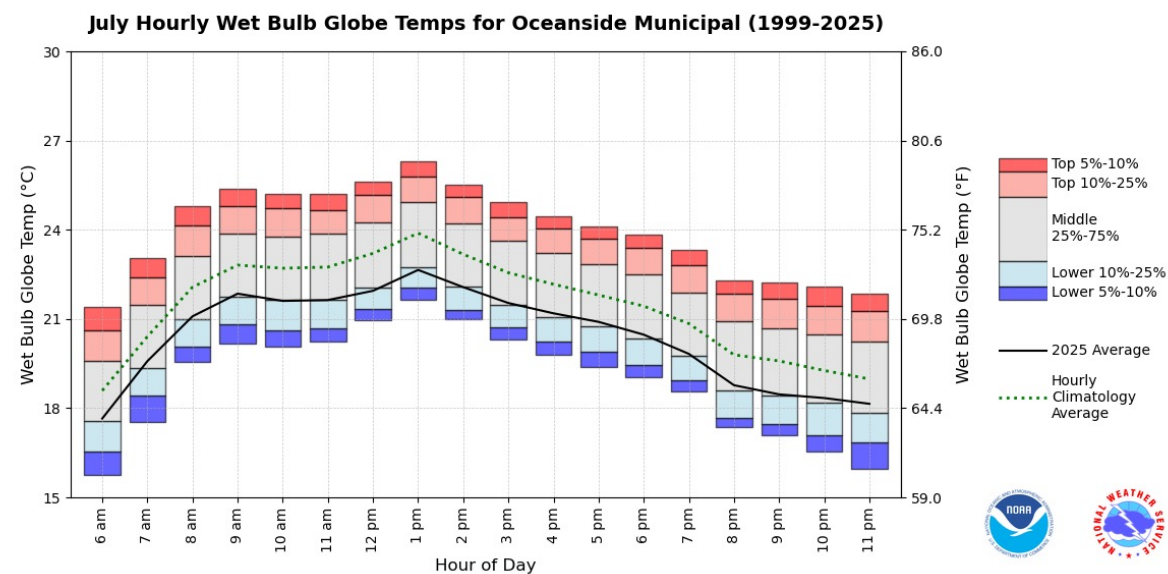
Averages between 1995 – 2025 [Oceanside Municipal Airport]



On average, hourly July temperatures at Oceanside Municipal Airport peak between the hours of 12pm-3pm. The most extreme [top 5%] temperature values at Oceanside Municipal exceed 26°C and mid-day values almost always exceed 20°C. Overall, 2025 was cooler than average at this location.

## Hourly Wet Bulb Globe [WBGT] Temperature

Averages between 1995 – 2025 [Oceanside Municipal Airport]



On average, hourly July wet bulb globe temperatures [WBGT] at Oceanside Municipal Airport peak around 1pm. The most extreme [top 5%] WBGT values at Oceanside Municipal exceed 24°C and mid-day values almost always exceed 20°C. Overall, 2025 was cooler than average at this location.

# July Temperature

**July 2025 compared to 20-yr. average:** There were 0 hot days in July 2025 [compared to 0.6, the 22-year average], 0 torrid days [compared to 0, the 22-year average] and 0 tropical nights [compared to 2.9, the 22-year average].

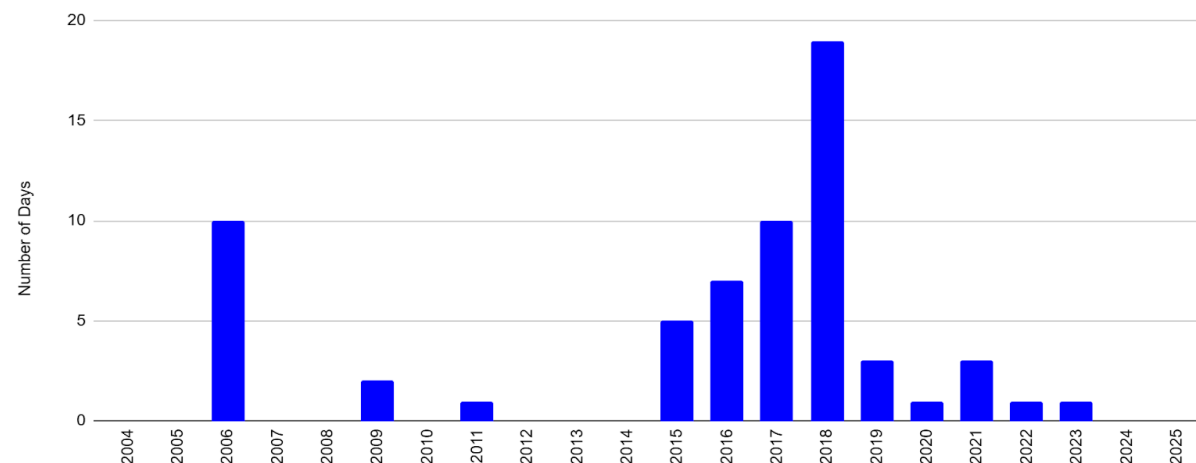
There was 0.02 inch of recorded precipitation during July 2025 [compared to 0.07 inch, the 22-year average].

- **Monthly Average:** 19.2°C
- **Monthly Average Max:** 20.9°C
- **Monthly Average Min:** 18.3°C
- **Warmest Temp:** 29.4°C
- **Coolest Temp:** 13.9 °C, July 3<sup>rd</sup>

## Cumulative Numbers of Tropical Nights (>20° C) in a 10-day Period

Sums from 2004 – 2025 [Oceanside Harbor]

July Tropical Nights: Oceanside Harbor



# Historical Averages of WIND

The wind is described by the direction from which it blows and its speed. Both parameters change according to the period of the day.

The wind rose diagram depicts it graphically:

- Each branch refers to one direction [N, NE, E, SE, S, SW, W, NW] and its length indicates the frequency of this direction [%].
- The colors refer to the speed ranges [speed in m/s].
- The wind is calm when its speed is less than 3.2 km/h.

## July Wind

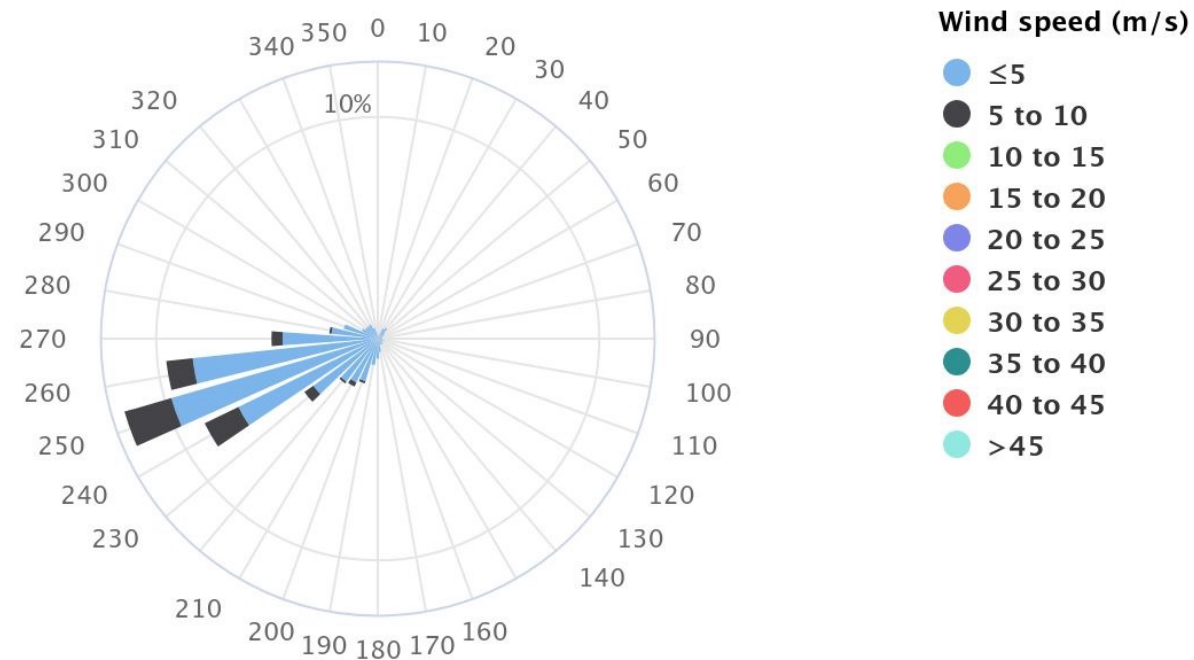
Percent averages from 2005 – 2025 [Oceanside Municipal Airport]

### OCEANSIDE MUNICIPAL AP, CA

Percent of winds blowing from the indicated direction

Date range: 2005-07-01 through 2025-07-31

Day filter: 07-01 through 07-31



Powered by ACIS

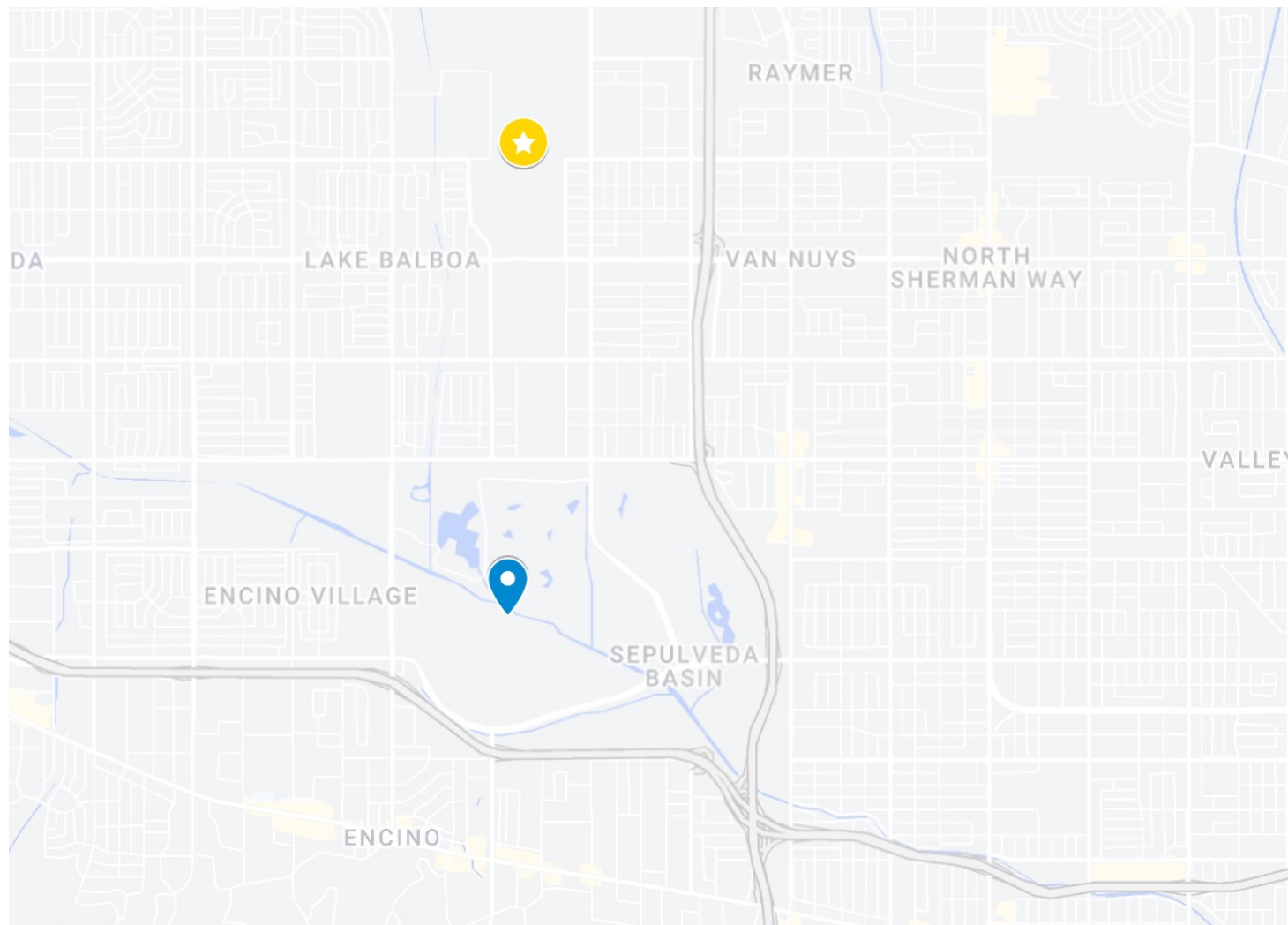
# VALLEY ZONE



- **Valley Complex 1**
- **Valley Complex 2**
- **Valley Complex 3**
- **Valley Complex 4**



# Introduction



**WEATHER STATION**



**COMPETITION VENUE**

## **COMPETITION VENUES VS. WEATHER STATION:**

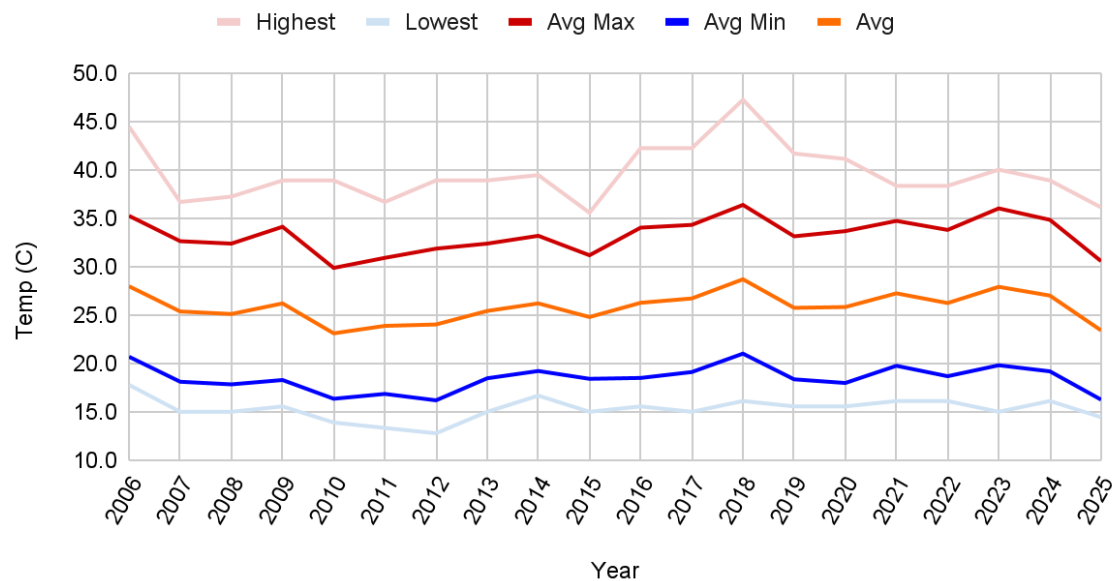
- Temperatures: Similar
- Wind: Similar
- Rainfall: Similar

Note: For the Valley Zone, the KVNY [weather station sensor](#) at Van Nuys Airport was selected as representative. The airport is about 3.2 km north of the Valley Zone.

# Historical Averages of JULY TEMPERATURE

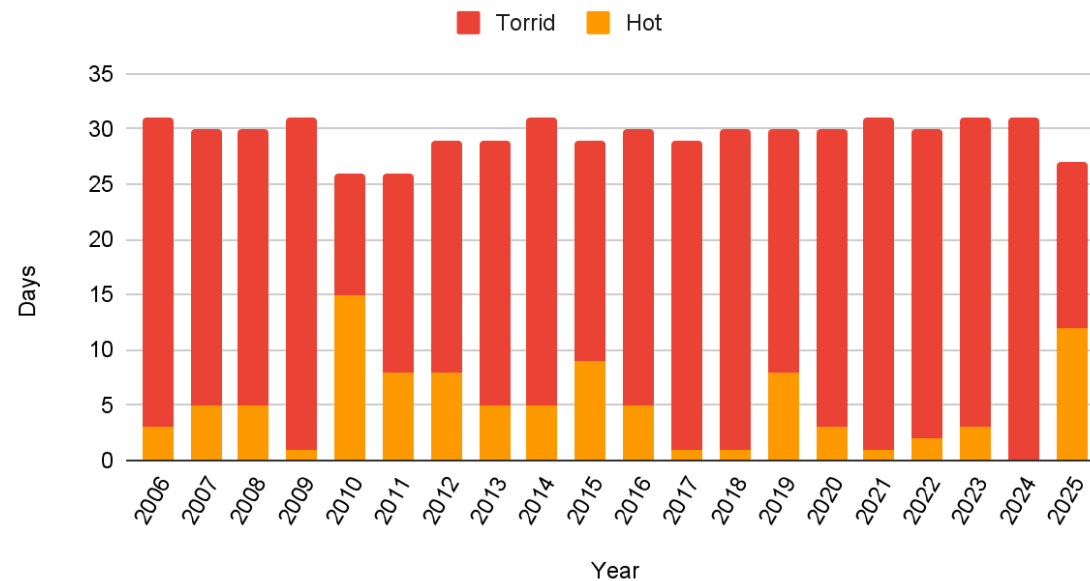
**Minimum and Maximum Daily Temperatures**  
Averages between 2006 – 2025 [KVNY]

San Fernando Valley July Temperatures (C)



**Number of Hot Days [25°-30° C] and Torrid Days [ > 30° C]**  
Averages between 2006 – 2025 [KVNY]

San Fernando Valley July Hot and Torrid Days

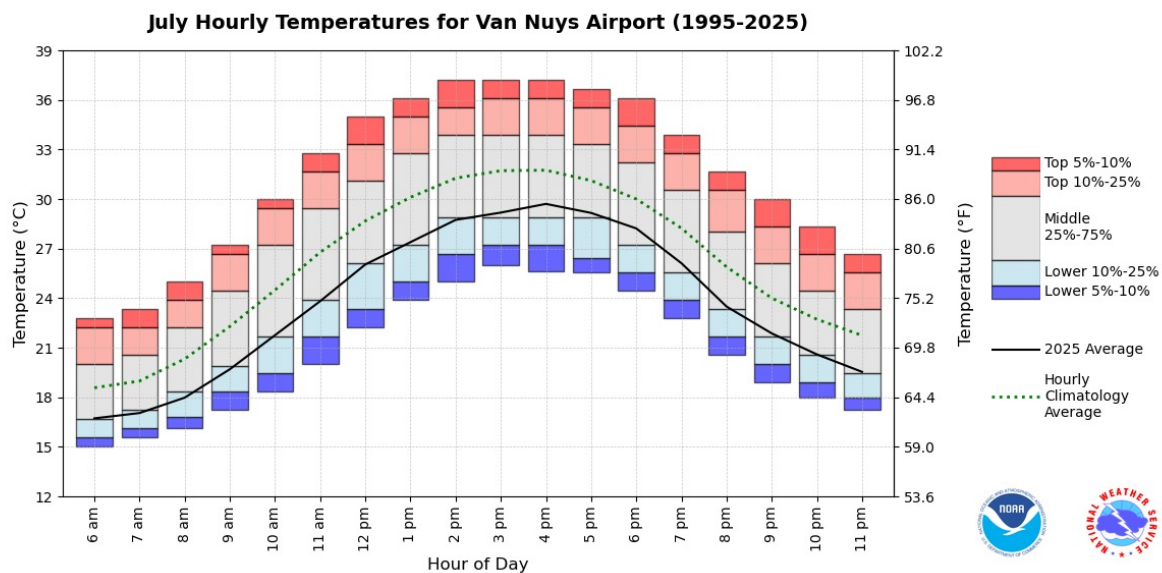


Minimum Temp. Records		Maximum Temp. Records	
Lowest Temp	13.3° C in 2011	Highest Temp	47.2° C in 2018

# Historical Averages of JULY TEMPERATURE

## Hourly Temperature

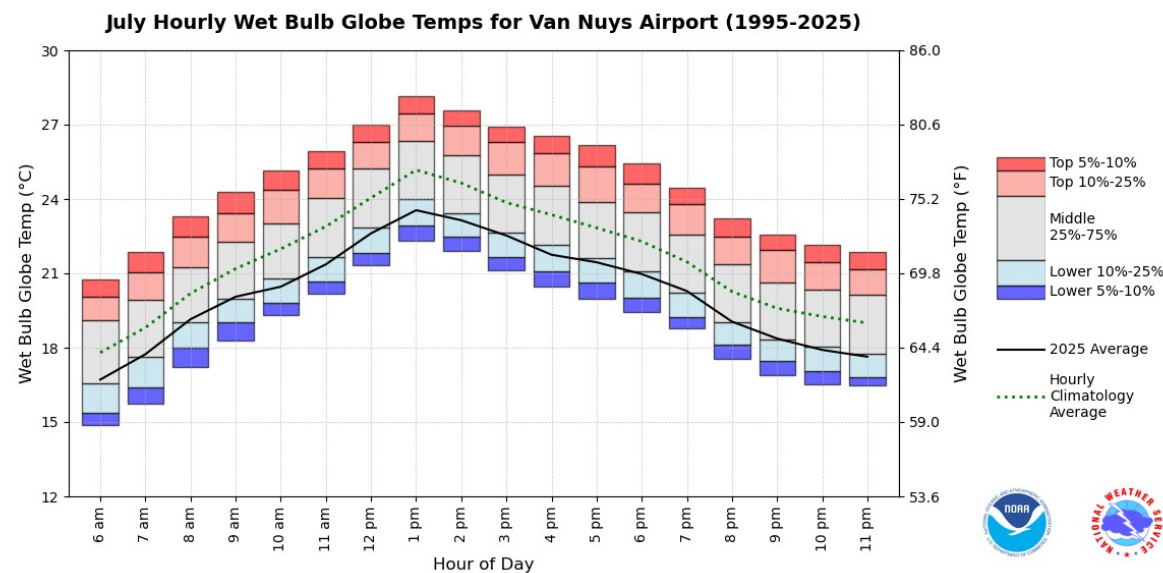
Averages between 1995 – 2025 [KVNY]



On average, hourly July temperatures at Van Nuys Airport peak between the hours of 2pm-4pm. The most extreme [top 5%] temperature values at Van Nuys exceed 36°C and mid-day values almost always exceed 24°C. Overall, 2025 was cooler than average at this location.

## Hourly Wet Bulb Globe (WBGT) Temperature

Averages between 1995 – 2025 [KVNY]



On average, hourly July wet bulb globe temperatures (WBGT) at Van Nuys Airport peak around 1pm. The most extreme [top 5%] WBGT values at Van Nuys exceed 26°C and mid-day values almost always exceed 20°C. Overall, 2025 was cooler than average at this location.

# July Temperature

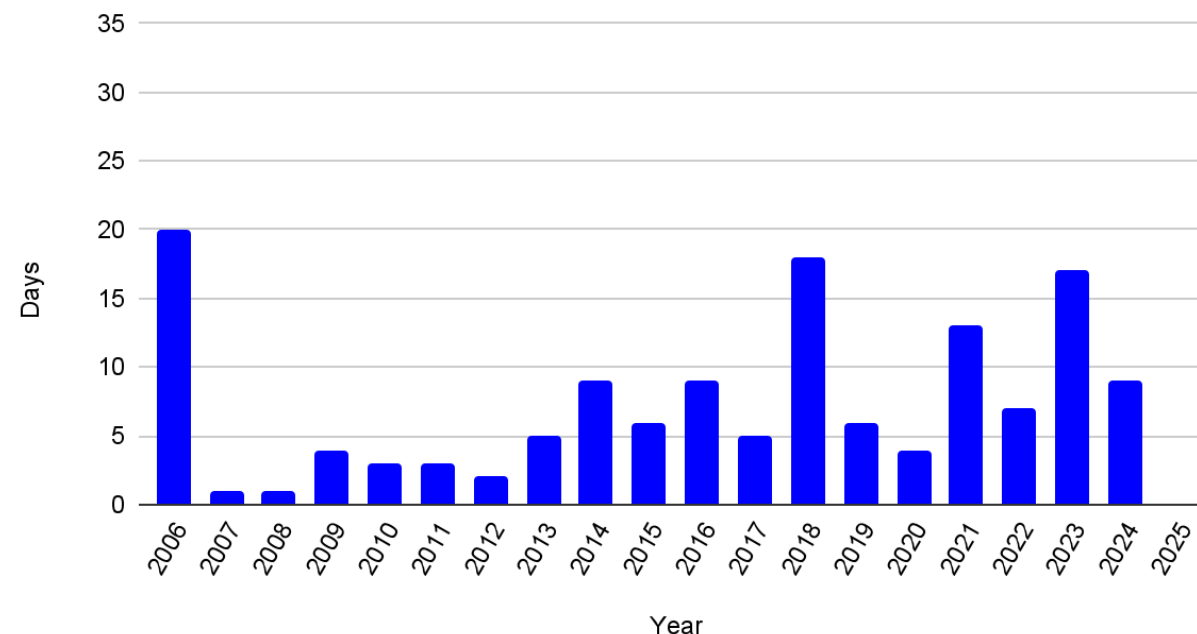
**July 2025 compared to 20-yr. average:** There were 12 Hot days [vs 5 normal in 20-year average], 15 Torrid days [vs 24.6 normal] and 0 Tropical nights [vs 7.1 normal]. There was no precipitation during July 2025.

- **Monthly Average:** 27° C
- **Monthly Average Max:** 30.6 °C
- **Monthly Average Min:** 16.3° C
- **Warmest Temp:** 36.1° C , July 9<sup>th</sup>
- **Coollest Temp:** 14.4° C, July 7<sup>th</sup> and July 26<sup>th</sup>

## Cumulative Numbers of Tropical Nights (> 20° C) in a 10-day Period

Sums from 2006 – 2025 [KVNY]

San Fernando Valley July Tropical Nights



# Historical Averages of WIND

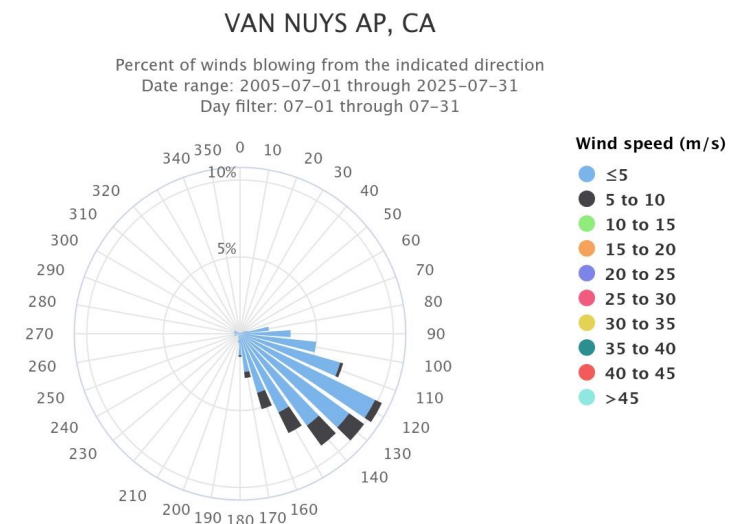
The wind is described by the direction from which it blows and its speed. Both parameters change according to the period of the day.

The wind rose diagram depicts it graphically:

- Each branch refers to one direction [N, NE, E, SE, S, SW, W, NW] and its length indicates the frequency of this direction [%].
- The colors refer to the speed ranges [speed in m/s].
- The wind is calm when its speed is less than 3.2 km/h.

## July Wind

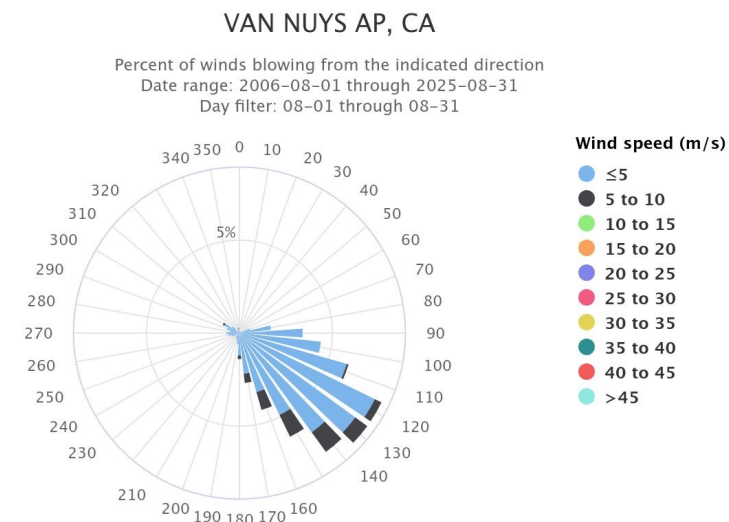
Averages from 2005 – 2025 [Van Nuys]



Powered by ACIS

## August Wind

Averages from 2006 – 2025 [Van Nuys]



Powered by ACIS

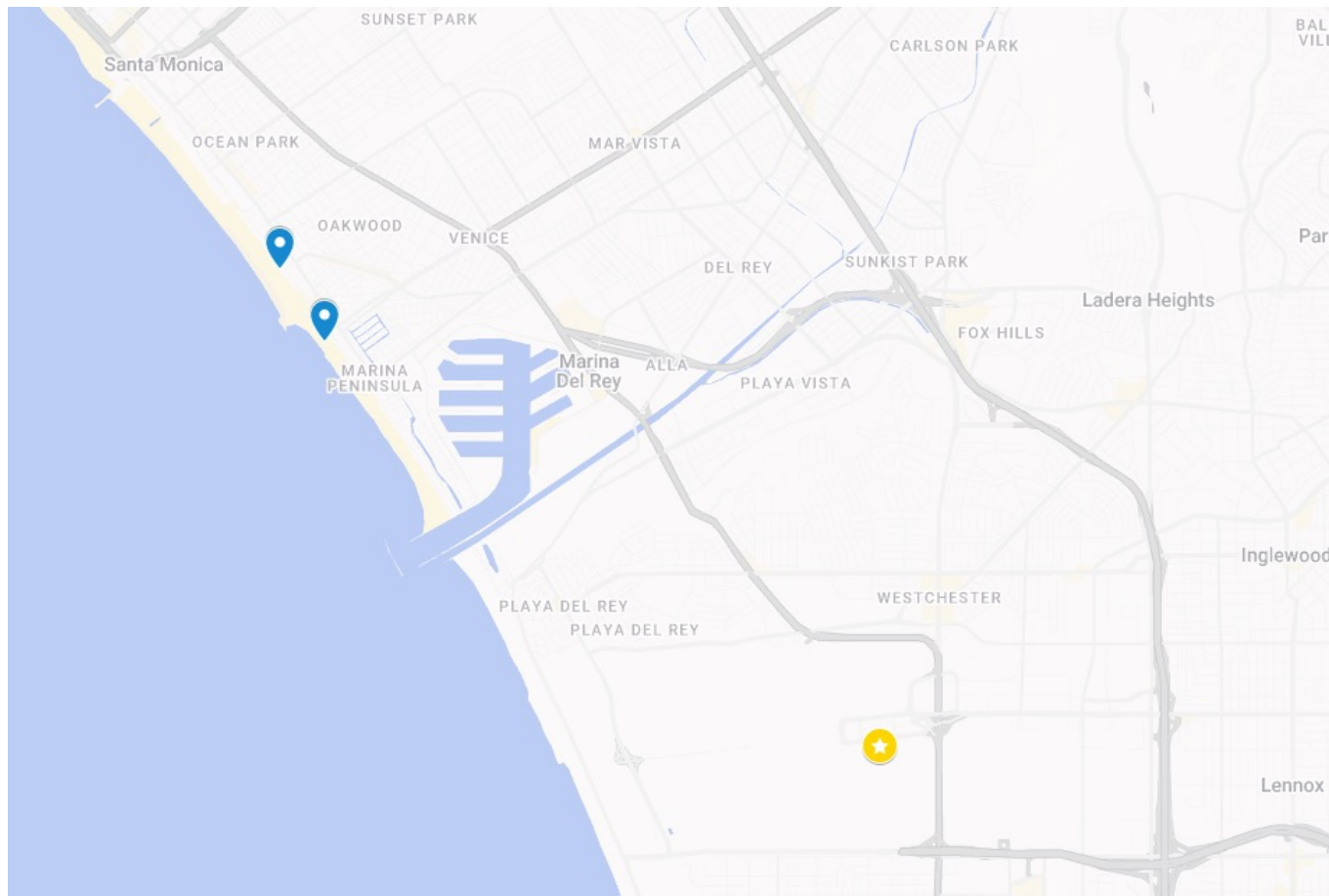
# VENICE ZONE



- **Venice Beach**
- **Venice Beach Boardwalk**



# Introduction



**WEATHER STATION**



**COMPETITION VENUE**

## **COMPETITION VENUES VS. WEATHER STATION:**

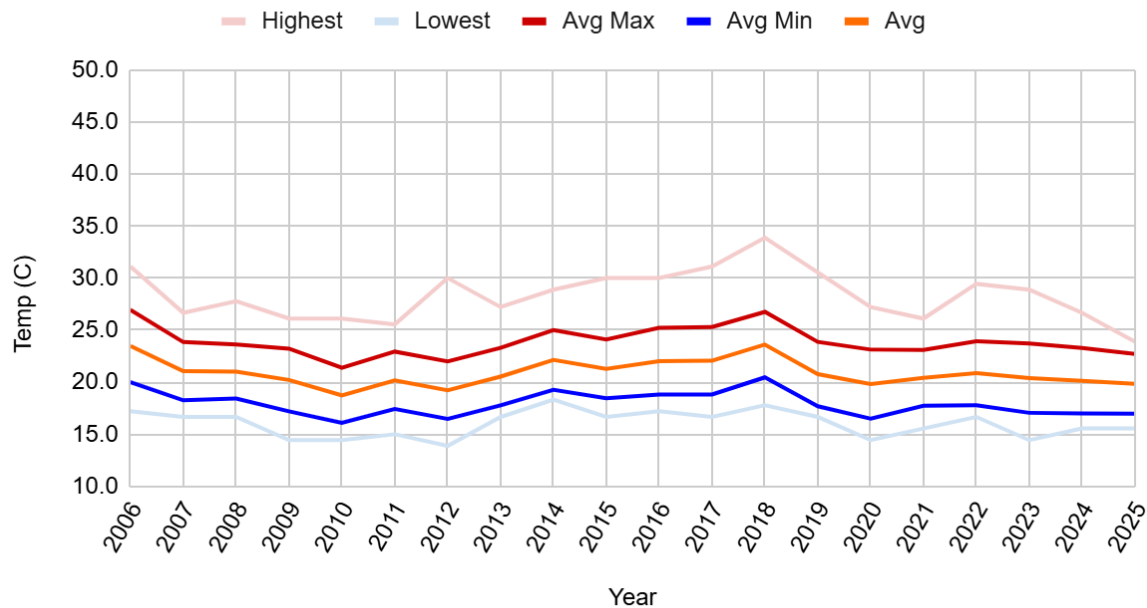
- Temperatures: Similar
- Wind: Similar
- Rainfall: Similar

Note: The climate site used for the Venice Zone is the [weather station](#) at the Los Angeles International Airport [KLAX]. Venice is about 5.6 km NW of the airport, so conditions should be quite similar.

# Historical Averages of JULY TEMPERATURE

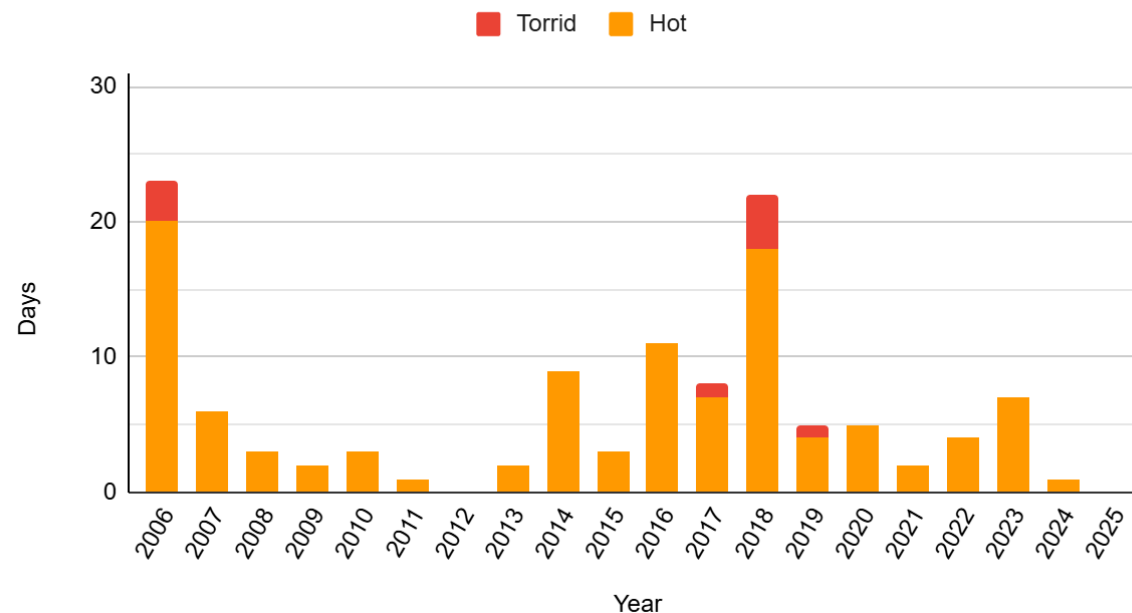
**Minimum and Maximum Daily Temperatures**  
Averages between 2006 – 2025 [KLAX]

LAX July Temperatures (C)



**Number of Hot Days [25°-30° C] and Torrid Days [ > 30° C]**  
Averages between 2006 – 2025 [KLAX]

LAX July Hot and Torrid Days

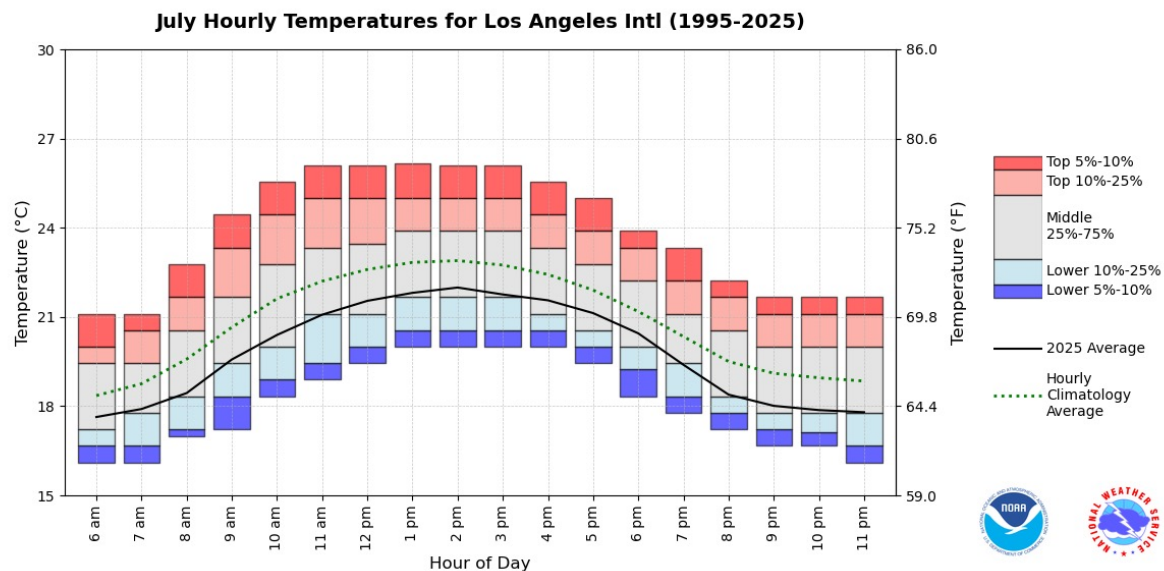


Minimum Temp. Records		Maximum Temp. Records	
Lowest Temp	13.9° C in 2012	Highest Temp	33.9° C in 2018

# Historical Averages of JULY TEMPERATURE

## Hourly Temperature

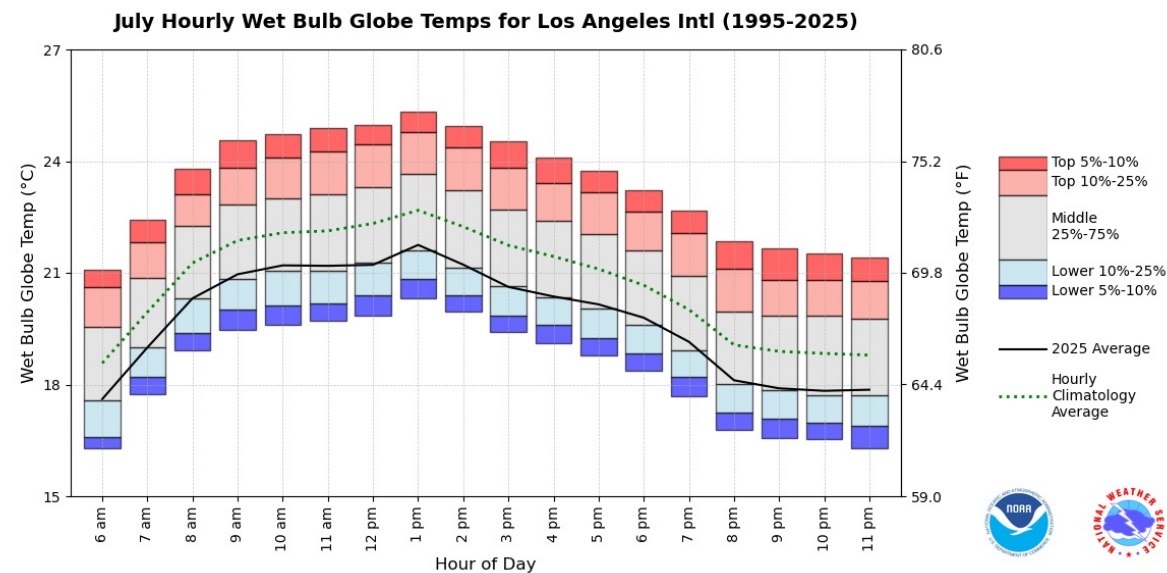
Averages between 1995 – 2025 [KLAX]



On average, hourly July temperatures at Los Angeles International Airport peak between the hours of 11am–3pm. The most extreme [top 5%] temperature values at Los Angeles exceed 25°C and mid-day values almost always exceed 19°C. Overall, 2025 was cooler than average at this location.

## Hourly Wet Bulb Globe [WBGT] Temperature

Averages between 1995 – 2025 [KLAX]



On average, hourly July wet bulb globe temperatures [WBGT] at Los Angeles International Airport peak around 1pm. The most extreme [top 5%] WBGT values at Los Angeles exceed 24°C and mid-day values almost always exceed 19°C. Overall, 2025 was cooler than average at this location.

# July Temperature

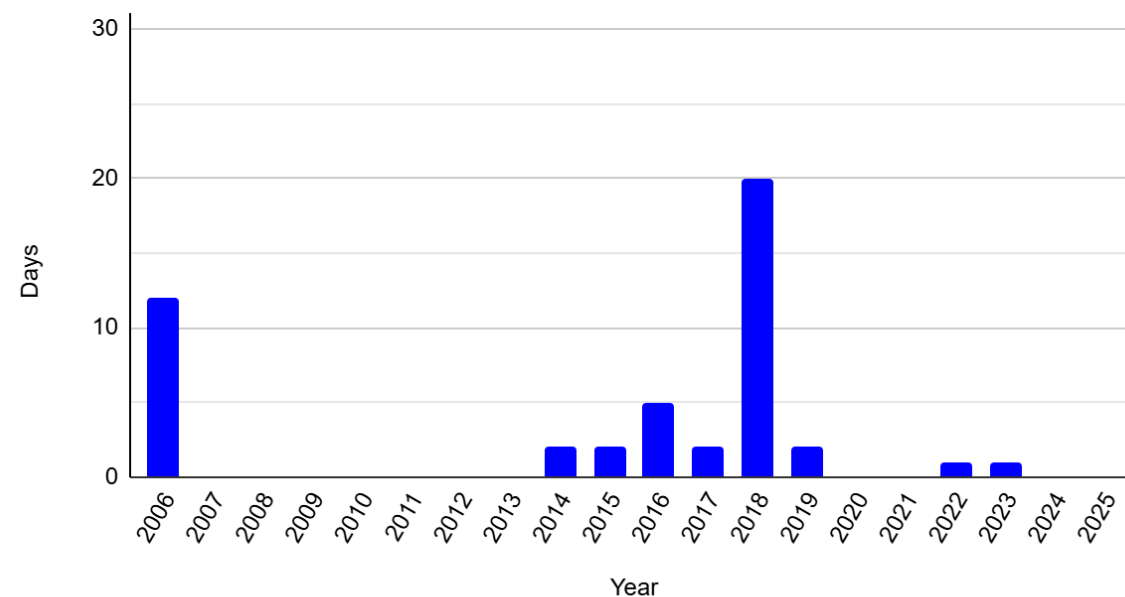
**July 2025 compared to 20-yr. average:** There were 0 Hot days [vs 5.4 normal in 20-year average], 0 Torrid days [vs 0.5 normal] and 0 Tropical nights [vs 2.4 normal]. There was one day with a trace of precipitation during July 2025.

- **Monthly Average:** 21.6 °C [70.9 °F]
- **Monthly Average Max:** 22.7 °C
- **Monthly Average Min:** 17 °C
- **Warmest Temp:** 23.9 °C, occurred five times
- **Coollest Temp:** 15.6 °C, occurred five times

## Cumulative Numbers of Tropical Nights (>20° C) in a 10-day Period

Sums from 2006 – 2025 [KLAX]

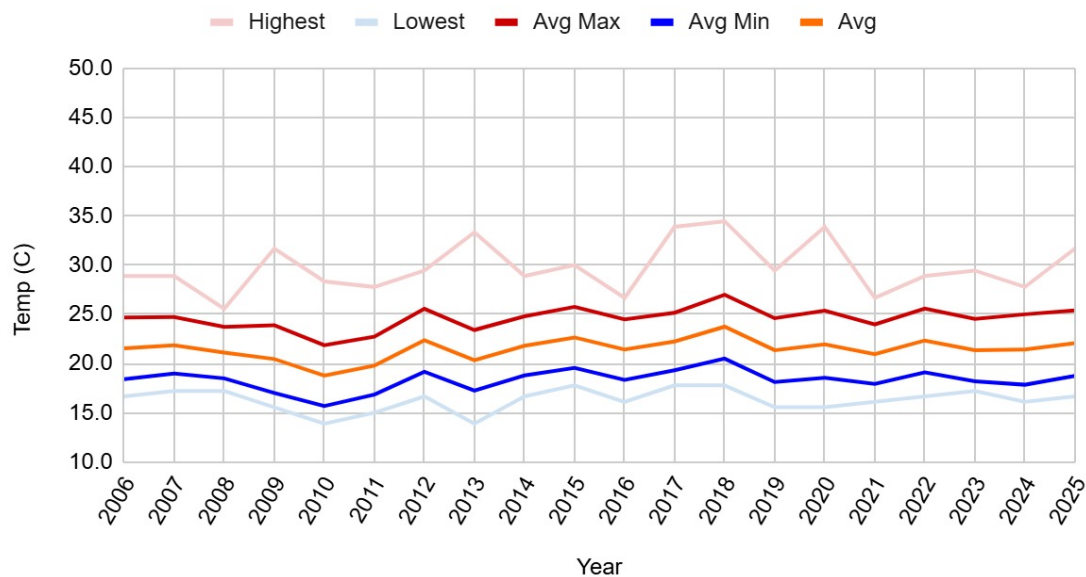
LAX July Tropical Nights



# Historical Averages of AUGUST TEMPERATURE

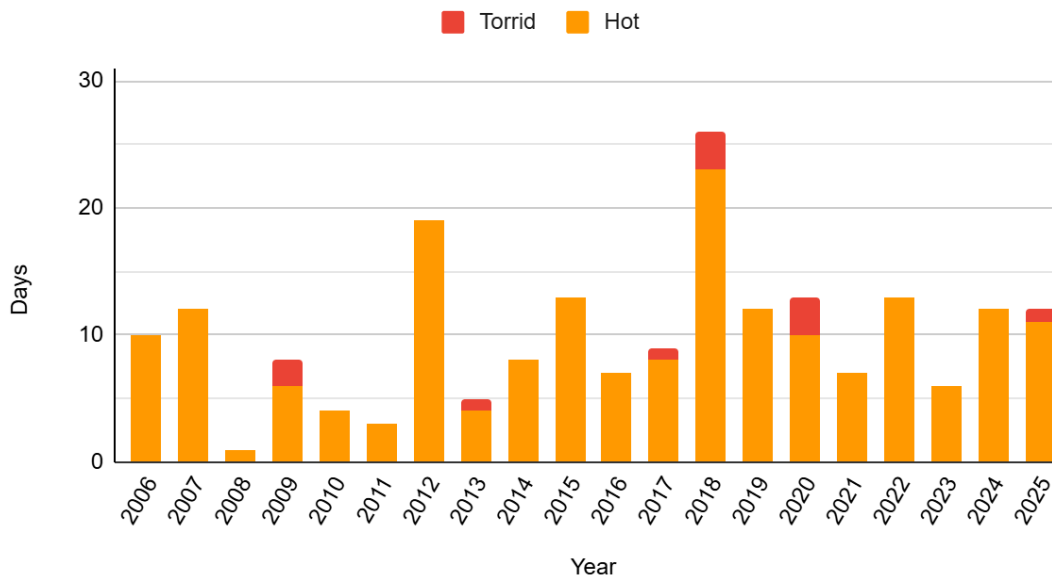
**Minimum and Maximum Daily Temperatures**  
Averages between 2006 – 2025 [KLAX]

LAX Aug Temperatures (C)



**Number of Hot Days (25°-30° C) and Torrid Days (> 30° C)**  
Averages between 2006 – 2025 [KLAX]

LAX Aug Hot and Torrid Days

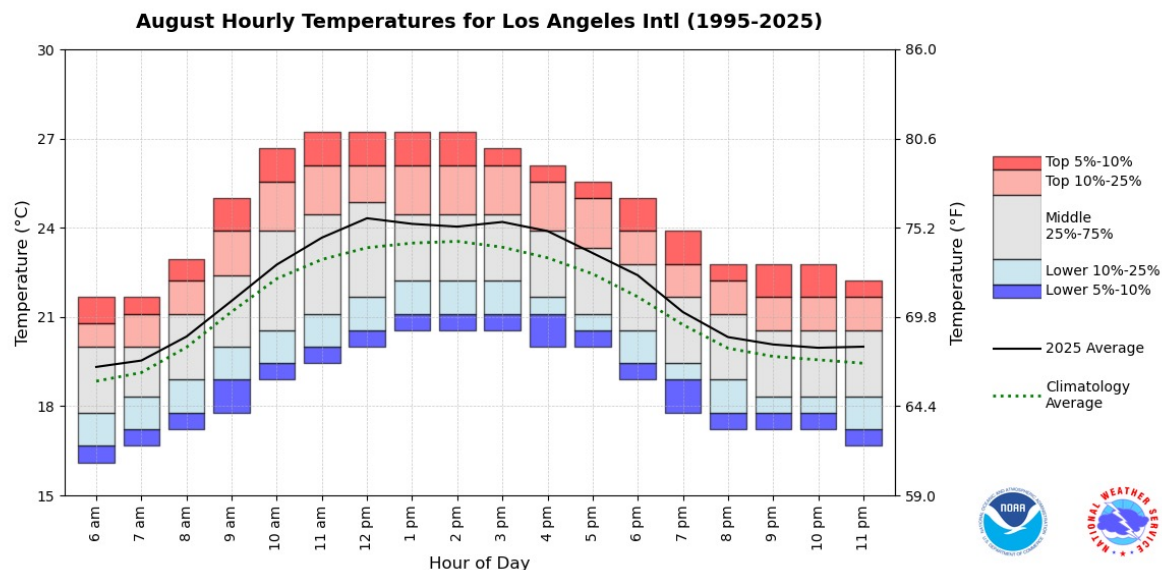


Minimum Temp. Records		Maximum Temp. Records	
Lowest Temp	13.9° C in 2010	Highest Temp	34.4° C in 2018

# Historical Averages of AUGUST TEMPERATURE

## Hourly Temperature

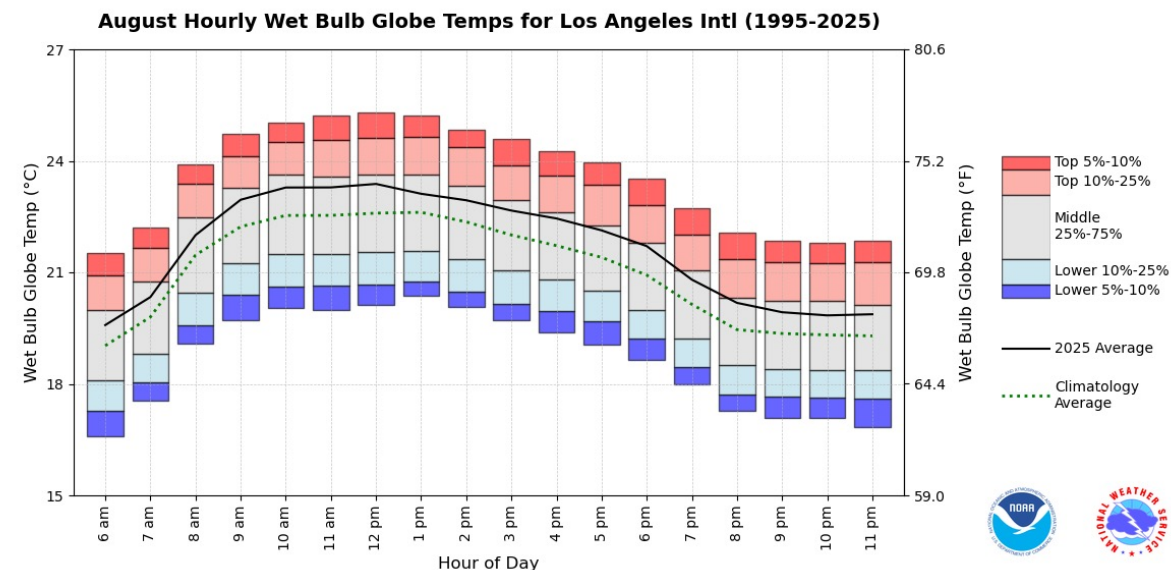
Averages between 1995 – 2025 [KLAX]



On average, hourly August temperatures at Los Angeles International Airport peak between the hours of 11am-2pm. The most extreme [top 5%] temperature values at Los Angeles exceed 26°C and mid-day values almost always exceed 19°C. Overall, 2025 was warmer than average at this location.

## Hourly Wet Bulb Globe (WBGT) Temperature

Averages between 1995 – 2025 [KLAX]



On average, hourly August wet bulb globe temperatures (WBGT) at Los Angeles International Airport peak around 12pm. The most extreme [top 5%] WBGT values at Los Angeles exceed 24°C and mid-day values almost always exceed 20°C. Overall, 2025 was warmer than average at this location.

# August Temperature

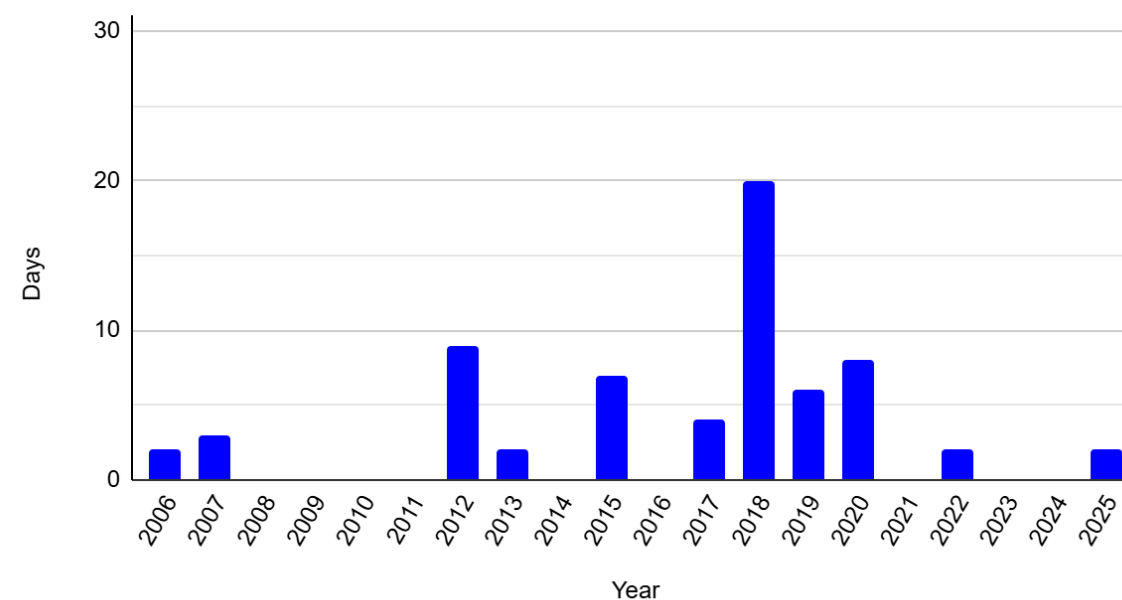
**August 2025 compared to 20-yr. average:** There were 11 Hot days [vs 9.5 normal in 20-year average], 1 Torrid days [vs 0.6 normal] and 2 Tropical nights [vs 3.3 normal]. There was no measured precipitation during August 2025.

- **Monthly Average:** 22.1° C
- **Monthly Average Max:** 25.4 °C
- **Monthly Average Min:** 18.7°C
- **Warmest Temp:** 31.7 °C, August 23<sup>rd</sup>
- **Coollest Temp:** 16.7 °C, August 1<sup>st</sup> and August 2<sup>nd</sup>

## Cumulative Numbers of Tropical Nights (> 20° C) in a 10-day Period

Sums from 2006 – 2025 [KLAX]

LAX Aug Tropical Nights



# Historical Averages of WIND

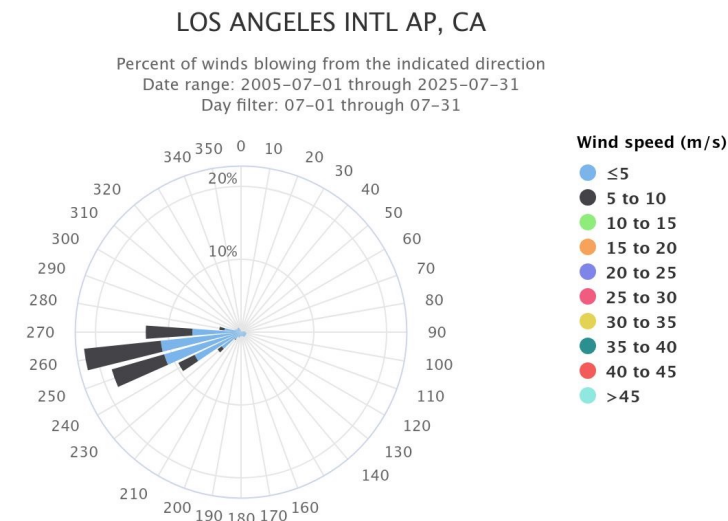
The wind is described by the direction from which it blows and its speed. Both parameters change according to the period of the day.

The wind rose diagram depicts it graphically:

- Each branch refers to one direction [N, NE, E, SE, S, SW, W, NW] and its length indicates the frequency of this direction [%].
- The colors refer to the speed ranges [speed in m/s].
- The wind is calm when its speed is less than 3.2 km/h.

## July Wind

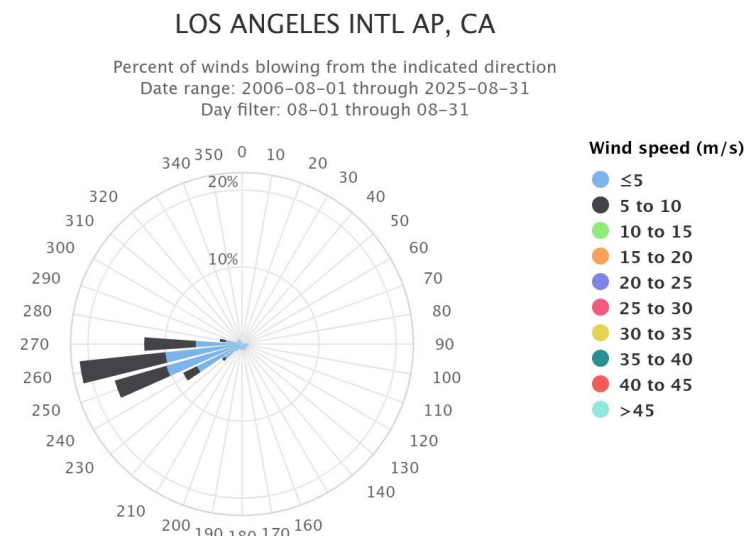
Percent averages from 2005 – 2025 [Los Angeles International Airport]



Powered by ACIS

## August Wind

Percent averages from 2006 – 2025 [Los Angeles International Airport]



Powered by ACIS



# INTRODUCTION TO OKLAHOMA CITY



# Introduction to **OKLAHOMA CITY, OK**

The Oklahoma City area has a temperate, humid, subtropical climate. It is prone to frequent variations in weather from the fall through the spring. However, the summer season tends to be one of more consistent hot and humid weather. Oklahoma City experiences a seasonal transition from “storm season”, where thunderstorms capable of flooding and severe weather are frequent, to hotter weather with less-frequent thunderstorms in the summer. This transition often takes place in the month of June. Typical summer days in Oklahoma City feature daily lows in the low 20s °C and daily highs in the mid-30s °C.

Precipitation is mostly associated with thunderstorm activity, which can last for 30 minutes or up to several hours. Such storms occur several times per month in the summer on average, though year-to-year variability in frequency of summer storms is large.

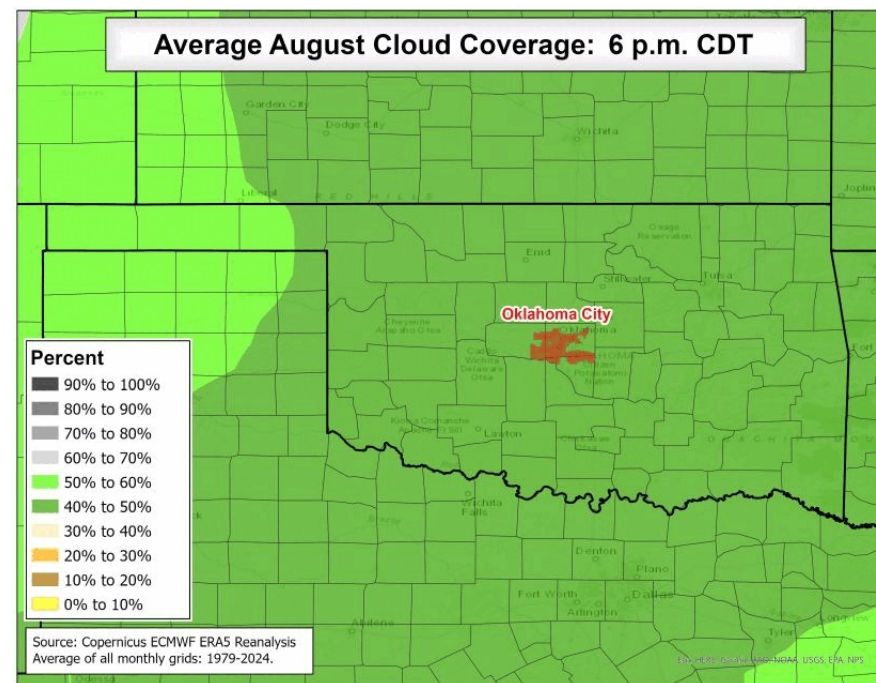
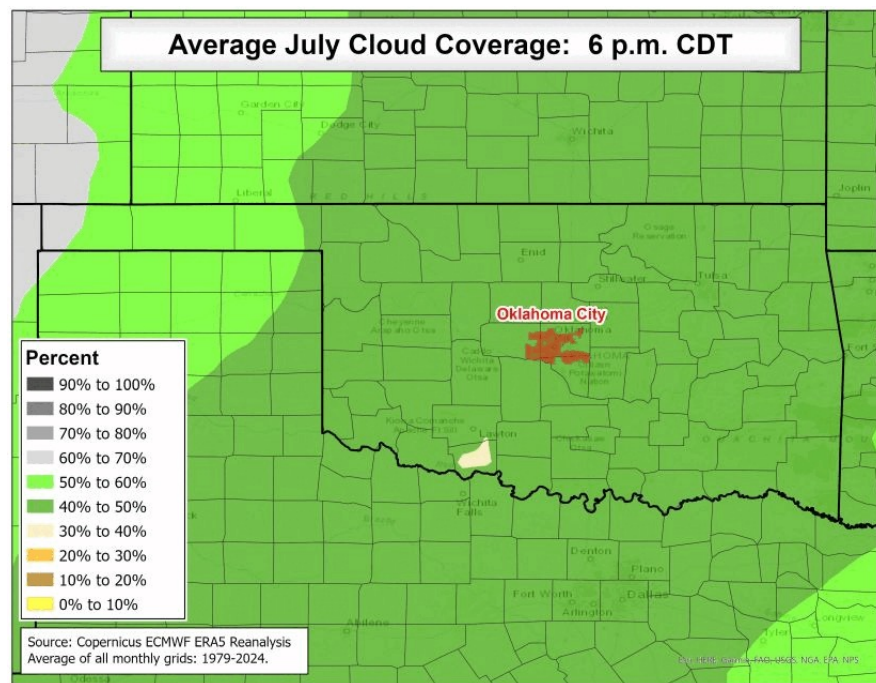
Oklahoma’s primary severe weather season runs from late March to late June. Severe weather becomes much less frequent in the month of July, though each year there are severe thunderstorms in the state of Oklahoma in July.

Tornadoes are also relatively rare in July in Oklahoma. In the 18-year record from 2007-2025, tornadoes occurred in the state for 11 of those years. In 2015, the state saw the most July tornadoes – with 3. In the 2007-2025 period, there was one recorded tornado in Oklahoma County – in Edmond on July 12, 2025.



# Sky

**Summary:** Sky cover in Oklahoma City in July is largely dependent on storm conditions. Days without storms are mostly to completely sunny, while days with storms feature significant high-altitude cirrus and anvil debris from updrafts. Average sky cover ranges between 30% and 50% across all times of day, with the greatest totals being in the late afternoon and early evening.



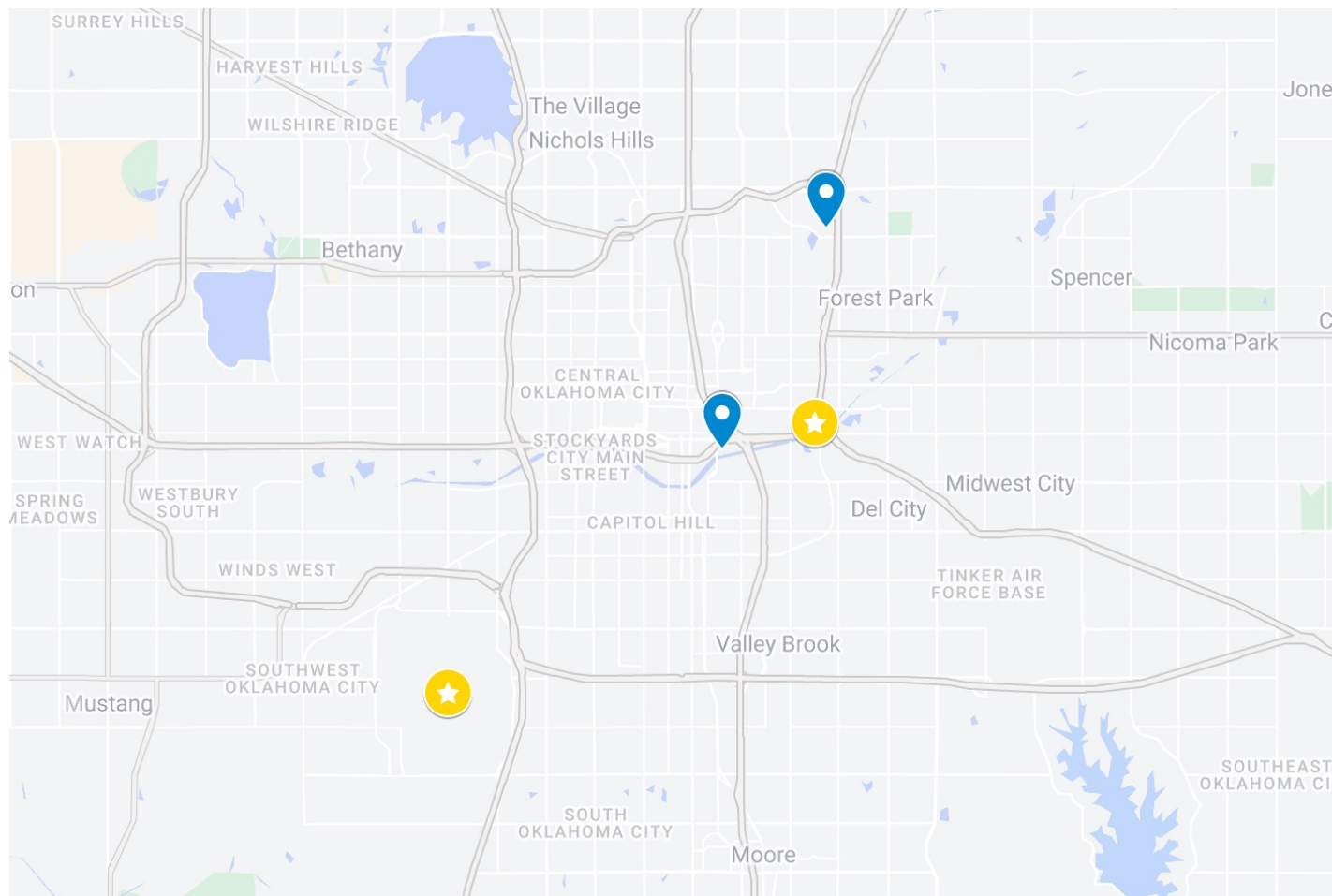
# OKLAHOMA CITY, OKLAHOMA



- **OKC Softball Park**
- **OKC Whitewater Center**



# Introduction



**WEATHER STATION**



**COMPETITION VENUE**

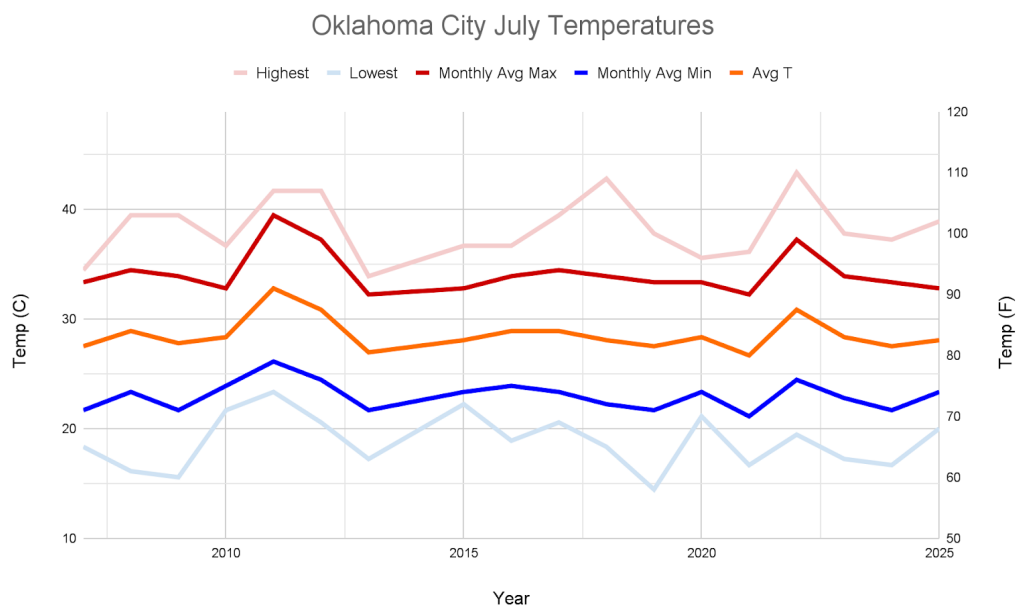
## COMPETITION VENUES VS. WEATHER STATION:

- Temperatures: Similar
- Wind: Similar
- Rainfall: Similar

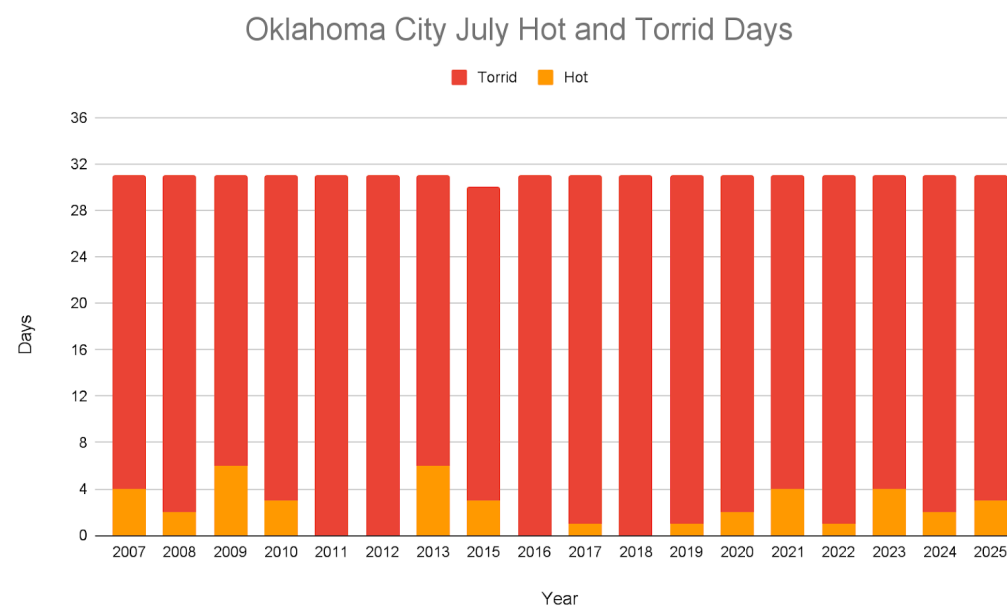
**Note:** There are several observations with long-term histories available as resources within Oklahoma County. For instance, Oklahoma Mesonet sites Oklahoma City East and Spencer as well as the [weather station](#) at Will Rogers World Airport [KOKC]. The Oklahoma City East Mesonet site was used as the primary climate record for both Olympic venues, as its location close to downtown makes it a much better proxy for the urban heat island effect observed in the summer than the more rural Spencer site. Spencer and KOKC were both used to fill in the longer-term gaps in the climate record, since the Oklahoma City East site was first established in 2007.

# Historical Averages of JULY TEMPERATURE

**Minimum and Maximum Daily Temperatures**  
Averages between 2007 – 2025 [OKCE MESONET]



**Number of Hot Days [25°-30° C] and Torrid Days [ > 30° C]**  
Averages between 2007 – 2025 [OKCE MESONET]

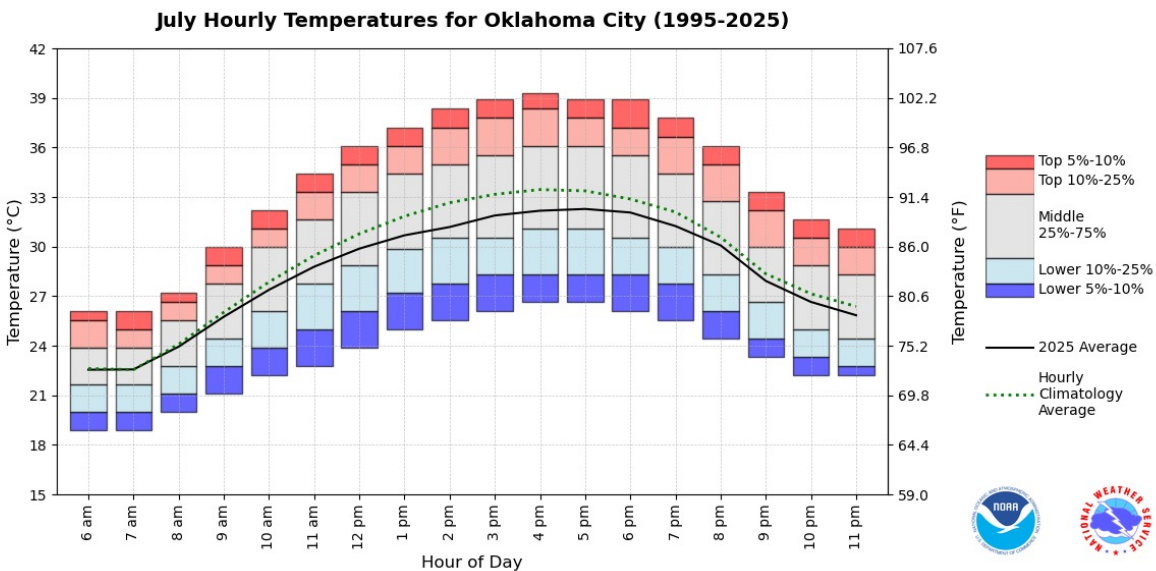


Minimum Temp. Records		Maximum Temp. Records	
Lowest Temp	14° C in 2019	Highest Temp	43° C in 2022

# Historical Averages of JULY TEMPERATURE

## Hourly Temperature

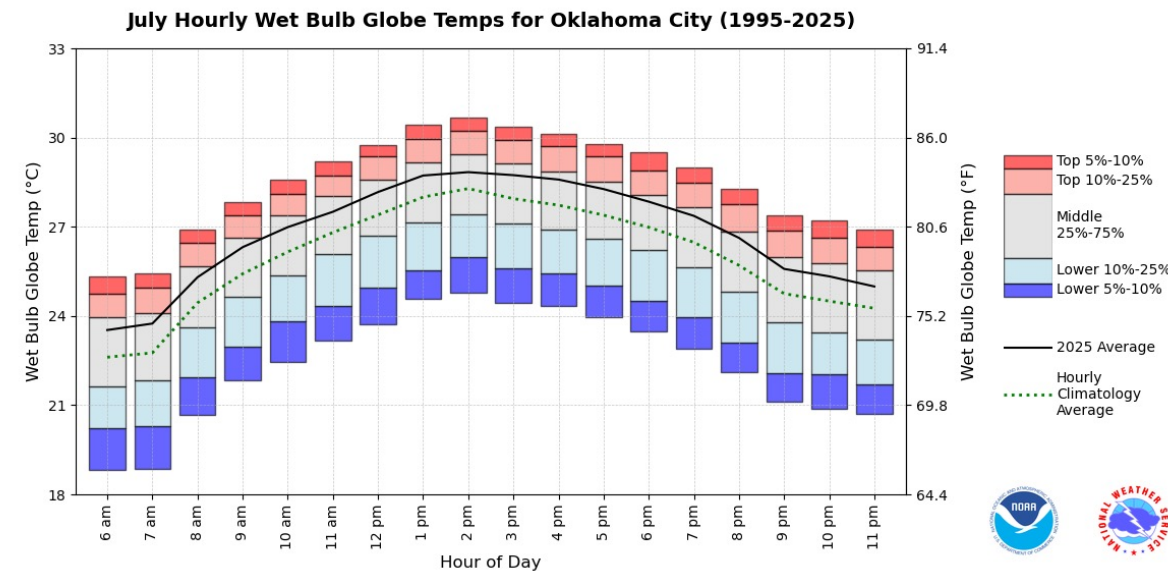
Averages between 1995 – 2025 (OKCE MESONET)



On average, hourly July temperatures in Oklahoma City peak between the hours of 3pm-6pm. The most extreme [top 5%] temperature values in Oklahoma City exceed 37°C and mid-day values almost always exceed 25°C. Overall, 2025 was cooler than average at this location.

## Hourly Wet Bulb Globe (WBGT) Temperature

Averages between 1995 – 2025 (OKCE MESONET)



On average, hourly July wet bulb globe temperatures (WBGT) in Oklahoma City peak around 2pm. The most extreme [top 5%] WBGT values in Oklahoma City exceed 30°C and mid-day values almost always exceed 24°C. Overall, 2025 was warmer than average at this location.

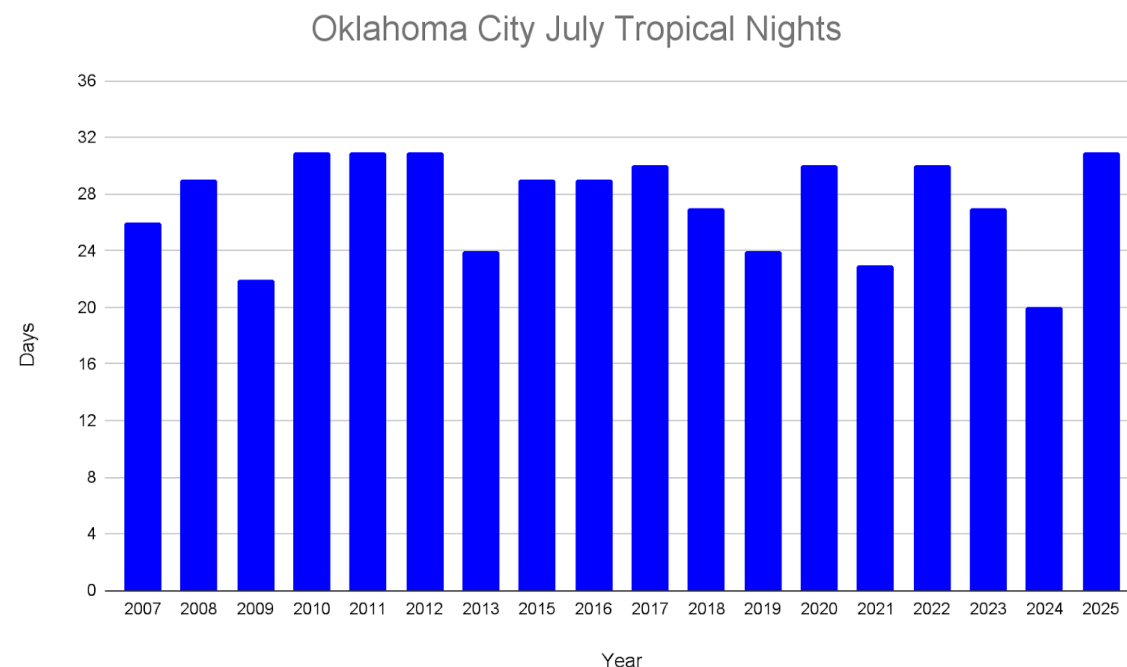
# July Temperature

**July 2025 compared to 20-yr. average:** There were 3 Hot days [vs 2.3 normal in 18-year average], 28 Torrid days [vs 28.6 normal] and 31 Tropical nights [vs 27.4 normal]. There was 7.54 cm [2.97 inches] of rain recorded in July 2025, with 9 of the 31 days in the month recording measurable rainfall.

- **Monthly Average:** 28° C
- **Monthly Average Max:** 33° C
- **Monthly Average Min:** 23° C
- **Warmest Temp:** 39° C , July 30<sup>th</sup>
- **Coolest Temp:** 20° C, July 12<sup>th</sup> and July 14<sup>th</sup>

## Cumulative Numbers of Tropical Nights (> 20° C) in a 10-day Period

Sums from 2007 – 2025 [OKCE MESONET]



# Historical Averages of WIND

The wind is described by the direction from which it blows and its speed. Both parameters change according to the period of the day.

The wind rose diagram depicts it graphically:

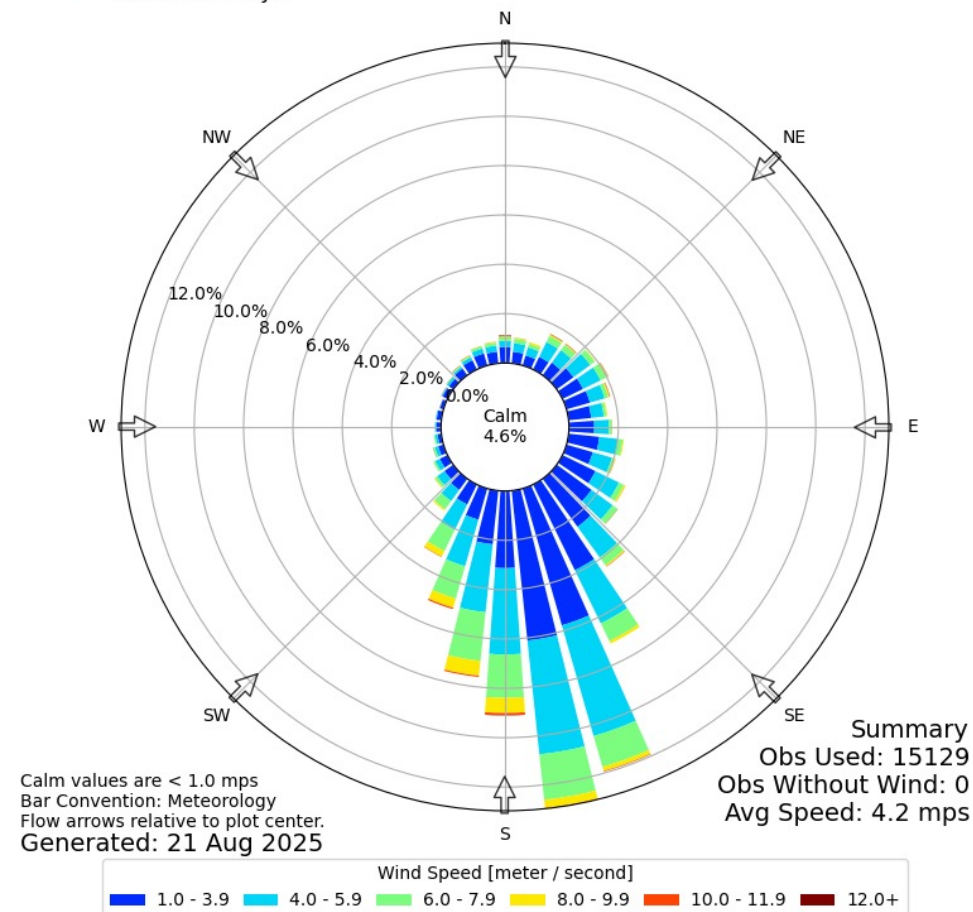
- Each branch refers to one direction [N, NE, E, SE, S, SW, W, NW] and its length indicates the frequency of this direction [%].
- The colors refer to the speed ranges [speed in m/s].
- The wind is calm when its speed is less than 3.2 km/h.

## July 2025 Wind

Average from 2005-2025 [Oklahoma City Will Rogers World Airport]



Windrose Plot for [OKC] Oklahoma City  
Obs Between: 01 Jul 2005 12:52 AM - 30 Jul 2025 11:52 PM America/Chicago  
↳ constraints: Jul

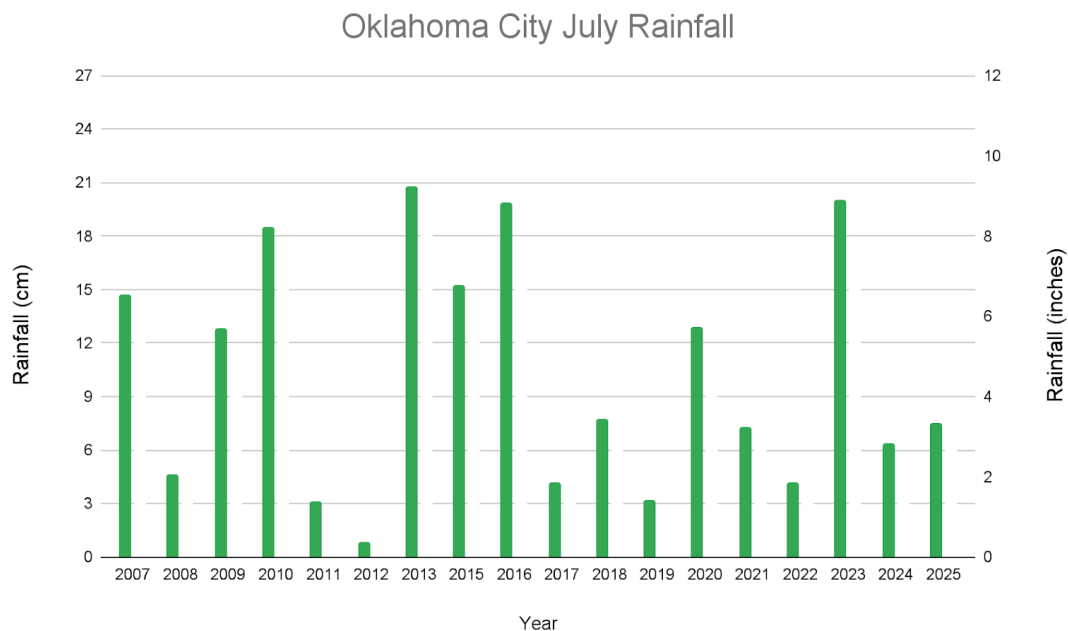


# Historical Averages of RAINFALL

**Summary:** During the 18-year record from 2007-2025, the median July precipitation in downtown Oklahoma City was 7.75 cm [3.05 inches]. The lowest amount was 0.84 cm [0.33 inches] in 2022, while the highest amount was 20.78 cm [8.18 inches] in 2013. The median number of days with recorded precipitation in the month of July is 7, with that number ranging from 3 to 10 days in the previous 18 years.\*

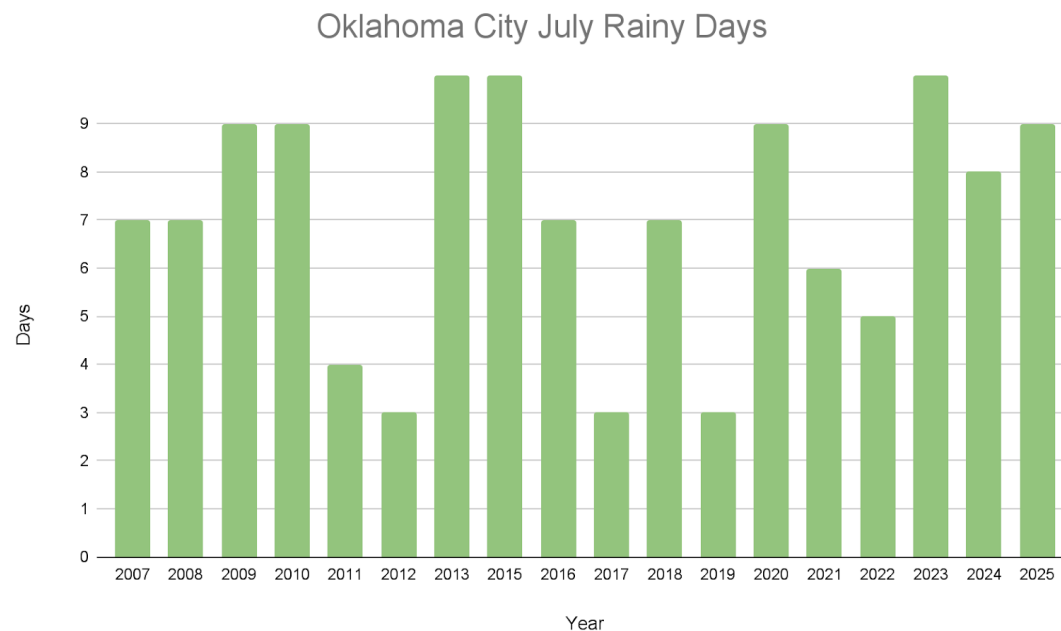
## Amount of Rainfall in July

Averages from 2007 – 2025 [OKCE MESONET]



## Number of Days with Rain in July

Averages from 2007 – 2025 [OKCE MESONET]

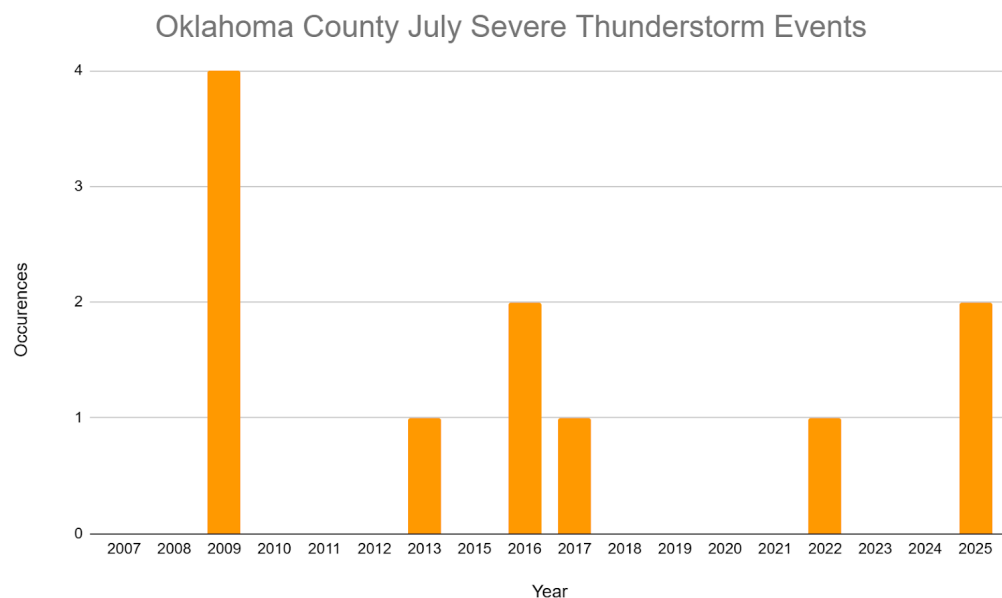


\*Note that the previous version of the climate report listed only a subset of current days in July for precipitation information based on expected event dates. This version of the climate report includes the entire 31-day month.

# Historical Averages of LIGHTNING

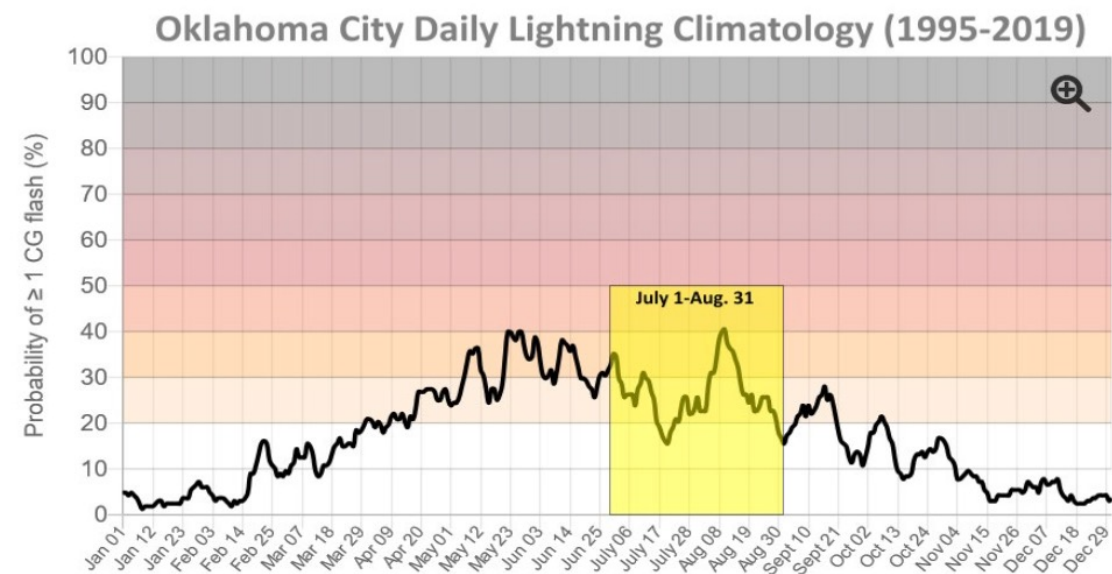
**Summary:** Severe thunderstorm warnings are issued for storms capable of producing damaging winds in excess of 93 km/h or hail in excess of 2.5 cm in diameter. In the 18-year record from 2007-2025, a severe thunderstorm warning was issued for parts of Oklahoma County in 6 different years, with a maximum of 4 occurrences in July 2009.

## Number of Severe Thunderstorm Events July 2007 – 2025 [OKCE MESONET]



This graphic depicts the number of occurrences when the National Weather Service [NWS] issued a Severe Thunderstorm Warning for Oklahoma County.

## Daily Lightning Climatology Averages between 1995 – 2019 [OKCE MESONET]



The probability of receiving at least one cloud-to-ground lightning strike within a 24-hour period for each day of the year. The July-August period is highlighted in the yellow shaded area. Sources: NOAA NSSL and the Vaisala.