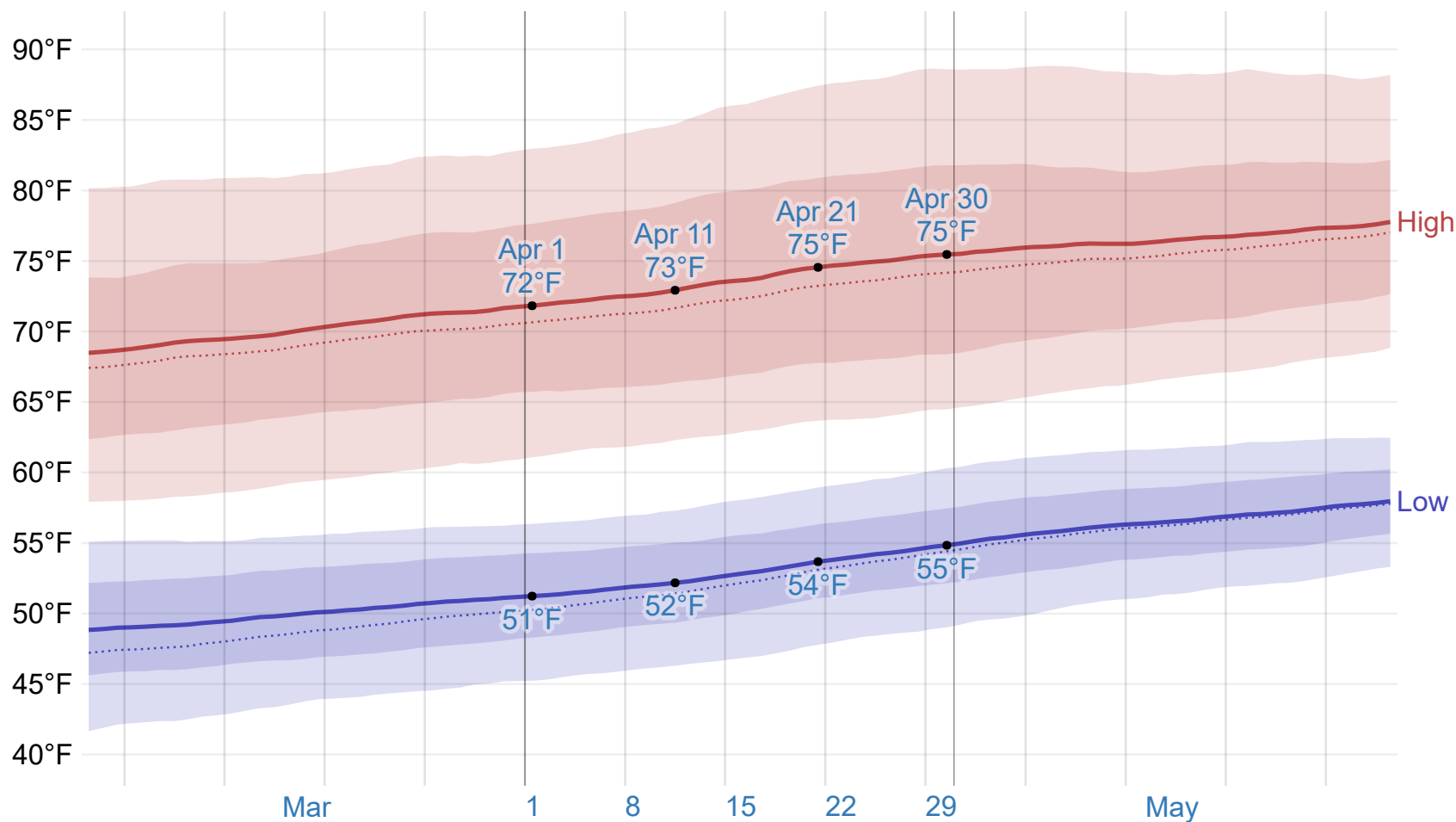


Average Weather in April in Van Nuys California, United States

Daily low temperatures increase by 4°F, from 51°F to 55°F, rarely falling below 45°F or exceeding 60°F.

For reference, on August 23, the hottest day of the year, temperatures in Van Nuys typically range from 65°F to 89°F, while on December 25, the coldest day of the year, they range from 46°F to 66°F.

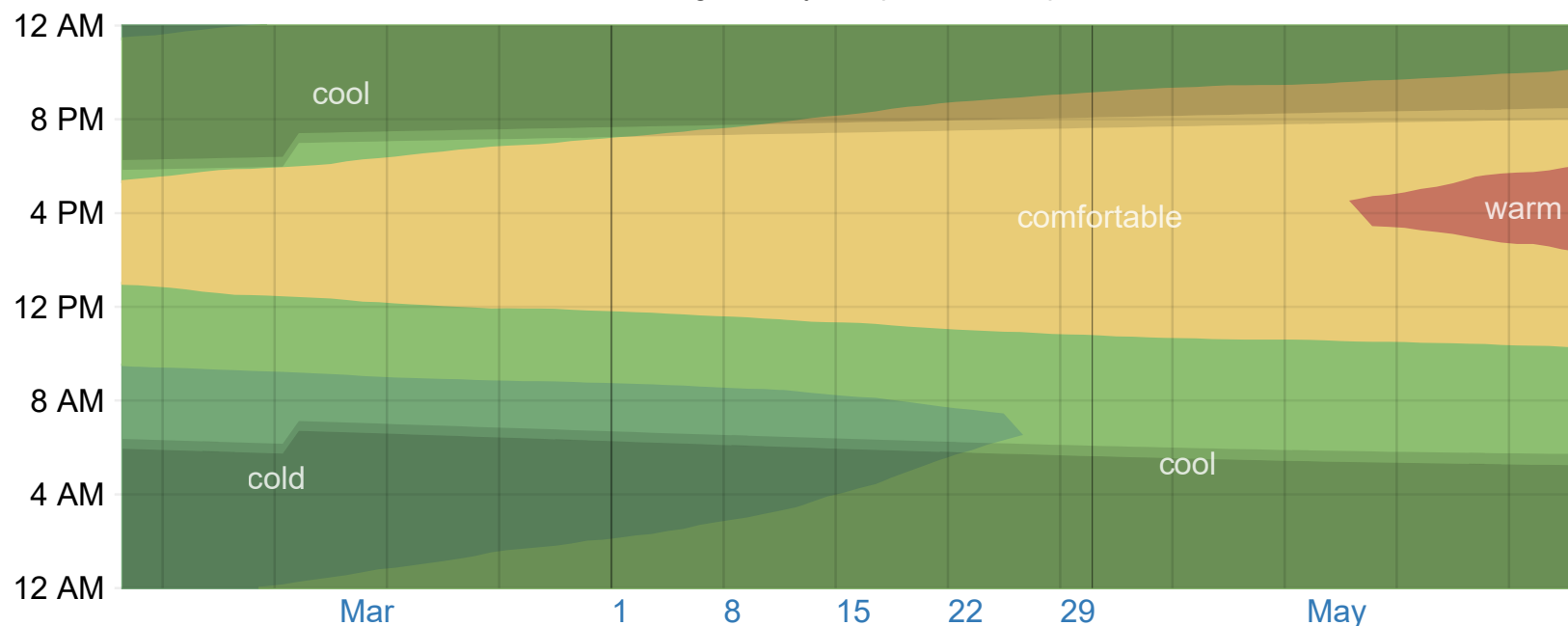
Average High and Low Temperature in April



The daily average high (red line) and low (blue line) temperature, with 25th to 75th and 10th to 90th percentile bands. The thin dotted lines are the corresponding average perceived temperatures.

The figure below shows you a compact characterization of the hourly average temperatures for the quarter of the year centered on April. The horizontal axis is the day, the vertical axis is the hour of the day, and the color is the average temperature for that hour and day.

Average Hourly Temperature in April



The average hourly temperature, color coded into bands: frigid < 15°F < freezing < 32°F < very cold < 45°F < cold < 55°F < cool < 65°F < comfortable < 75°F < warm < 85°F < hot < 95°F < sweltering. The shaded overlays indicate night and civil twilight.

Sidi Bennour, Morocco (/m/32155/4/Average-Weather-in-April-in-Sidi-Bennour-Morocco) (5,969 miles away) and Perth, Australia (/m/128792/4/Average-Weather-in-April-in-Perth-Australia) (9,336 miles) are the far-away foreign places with temperatures most similar to Van Nuys (view comparison (/compare/m/4/1741~32155~128792/Comparison-of-the-Average-Weather-in-Van-Nuys-Sidi-Bennour-and-Perth-in-April)).

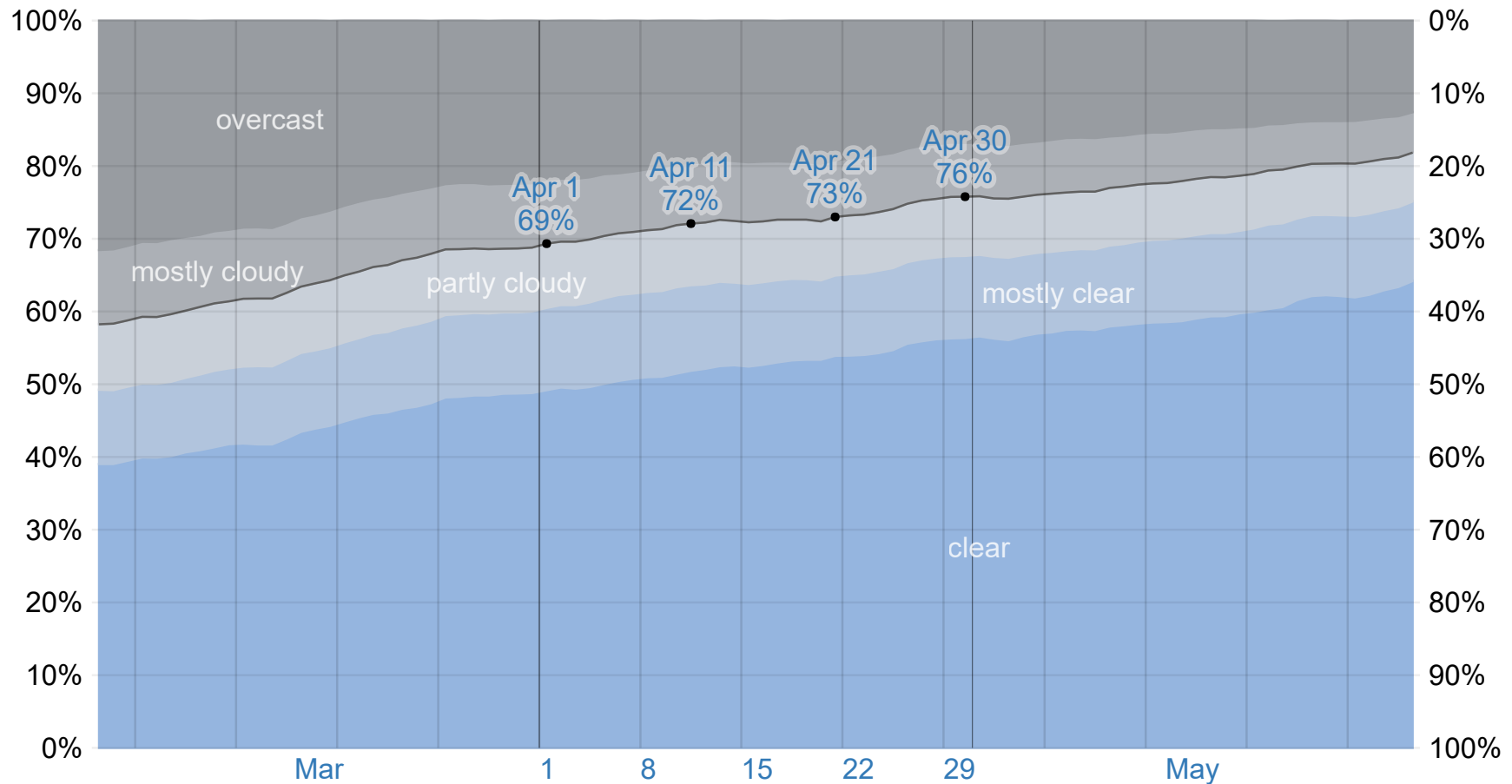
Clouds

The month of April in Van Nuys experiences gradually decreasing cloud cover, with the percentage of time that the sky is overcast or mostly cloudy decreasing from 31% to 24%.

The clearest day of the month is April 30, with clear, mostly clear, or partly cloudy conditions 76% of the time.

For reference, on February 22, the cloudiest day of the year, the chance of overcast or mostly cloudy conditions is 44%, while on September 7, the clearest day of the year, the chance of clear, mostly clear, or partly cloudy skies is 91%.

Cloud Cover Categories in April



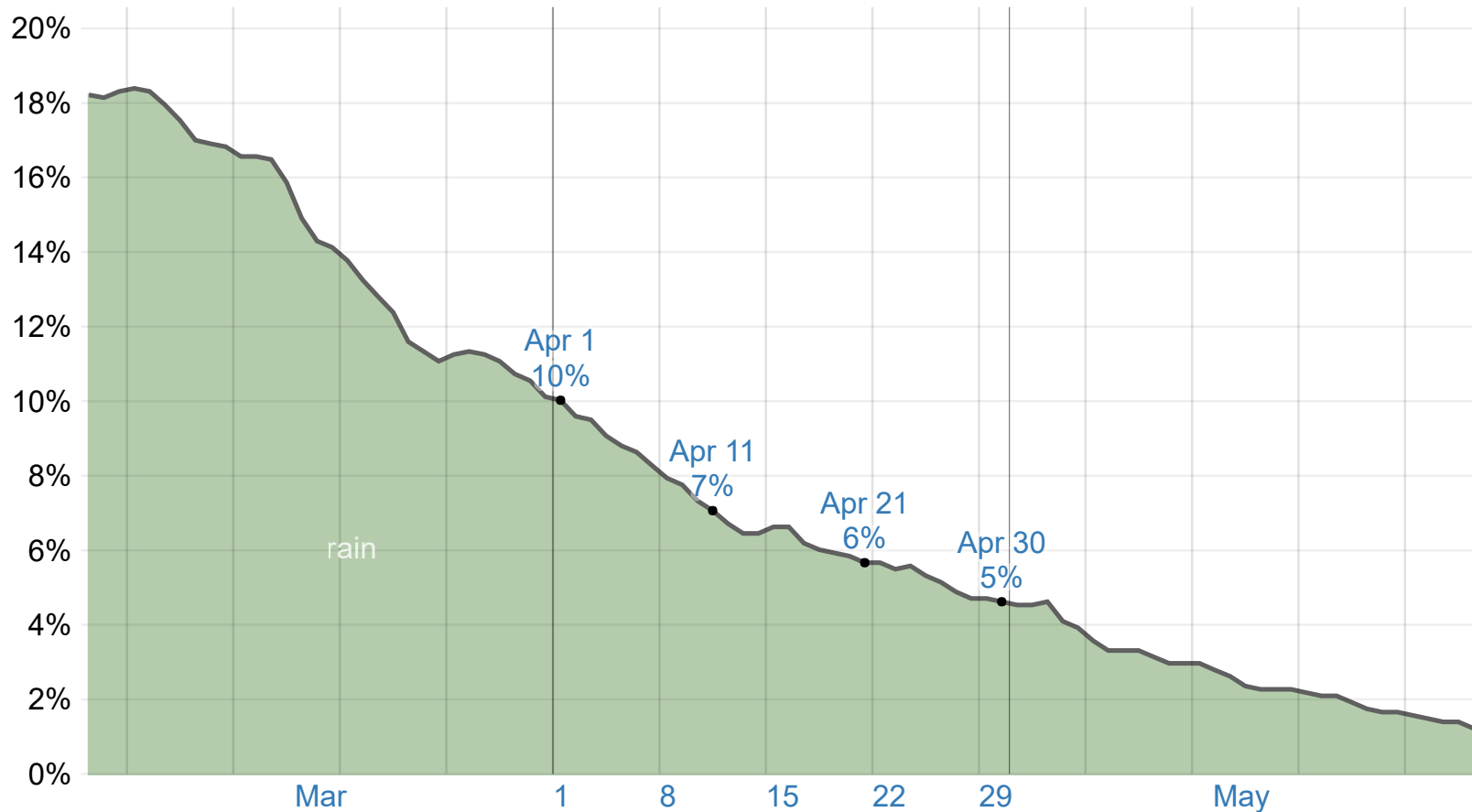
The percentage of time spent in each cloud cover band, categorized by the percentage of the sky covered by clouds: clear < 20% < mostly clear < 40% < partly cloudy < 60% < mostly cloudy < 80% < overcast.

Precipitation

A wet day is one with at least 0.04 inches of liquid or liquid-equivalent precipitation. In Van Nuys, the chance of a wet day over the course of April is decreasing, starting the month at 10% and ending it at 5%.

For reference, the year's highest daily chance of a wet day is 21% on February 20, and its lowest chance is 0% on July 29.

Probability of Precipitation in April



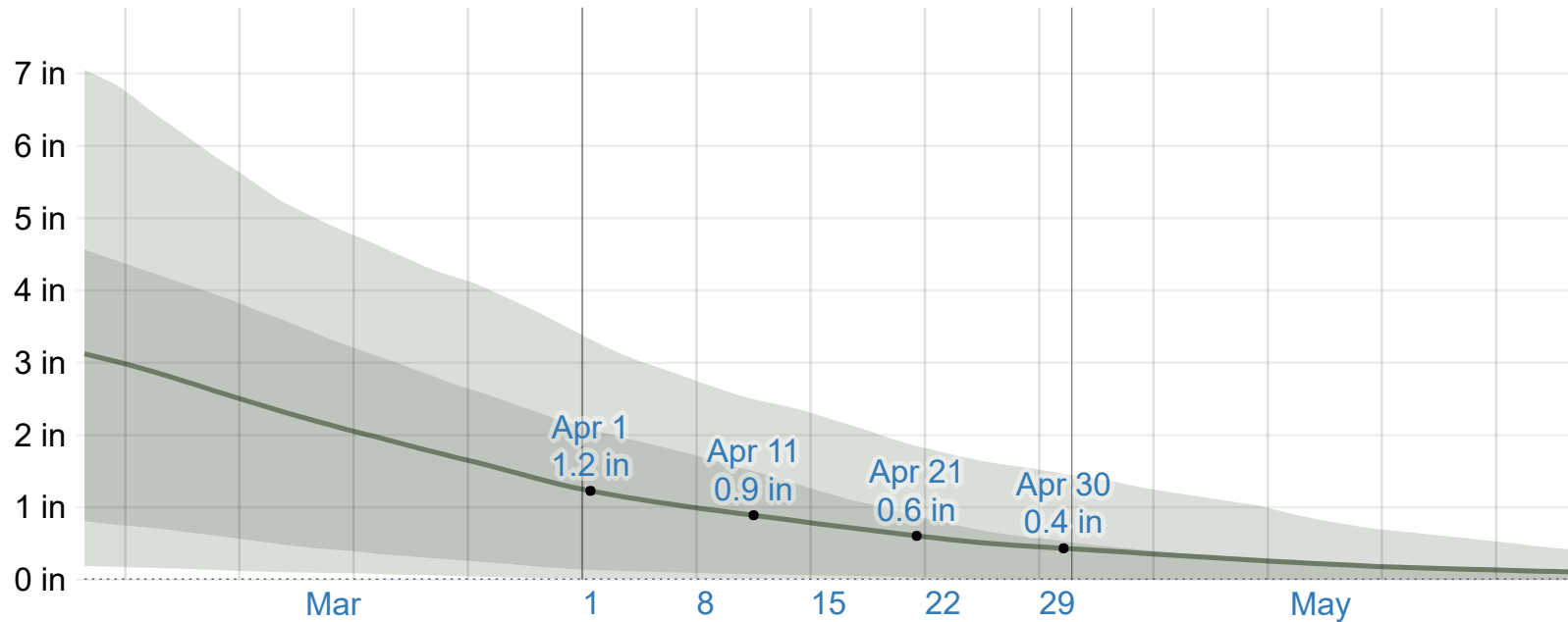
The percentage of days in which various types of precipitation are observed, excluding trace quantities: rain alone, snow alone, and mixed (both rain and snow fell in the same day).

Rainfall

To show variation within the month and not just the monthly total, we show the rainfall accumulated over a sliding 31-day period centered around each day.

The average sliding 31-day rainfall during April in Van Nuys is decreasing, starting the month at 1.2 inches, when it rarely exceeds 3.3 inches, and ending the month at 0.4 inches, when it rarely exceeds 1.5 inches or falls below -0.0 inches.

Average Monthly Rainfall in April



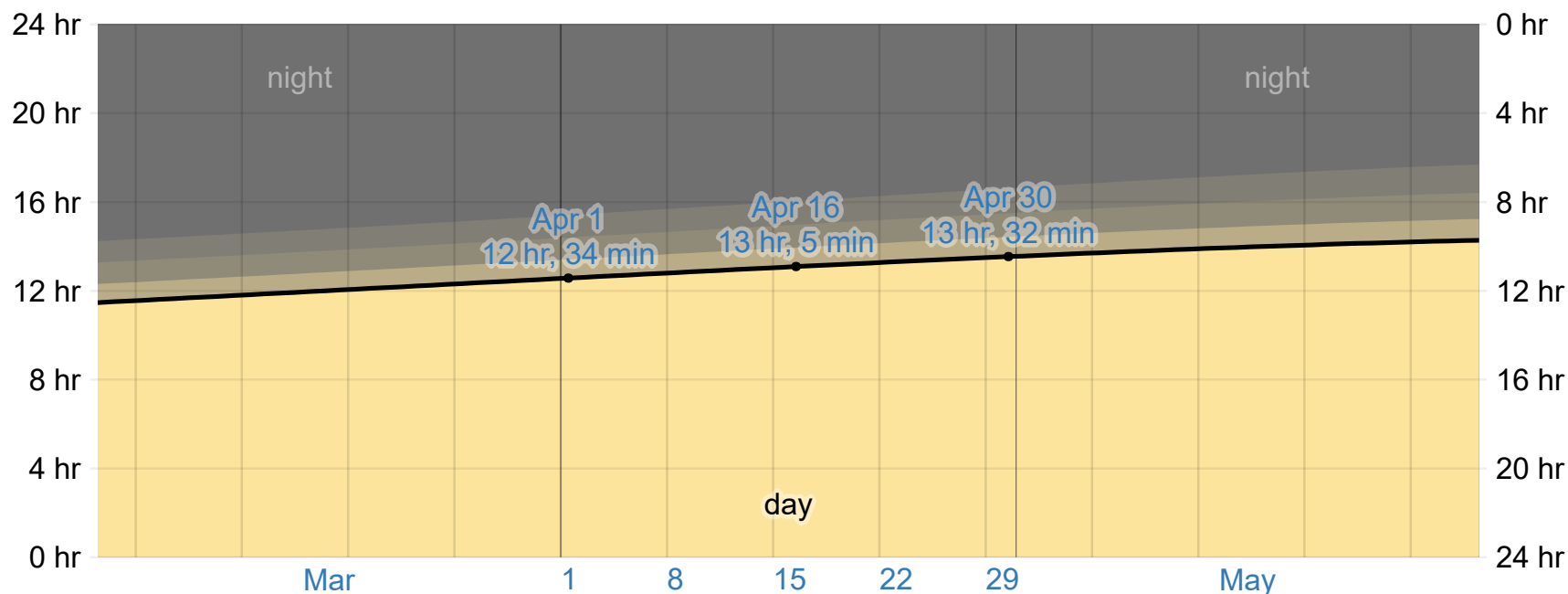
The average rainfall (solid line) accumulated over the course of a sliding 31-day period centered on the day in question, with 25th to 75th and 10th to 90th percentile bands. The thin dotted line is the corresponding average liquid-equivalent snowfall.

Sun

Over the course of April in Van Nuys, the length of the day is increasing. From the start to the end of the month, the length of the day increases by 58 minutes, implying an average daily increase of 2 minutes, 0 seconds, and weekly increase of 14 minutes, 0 seconds.

The shortest day of the month is April 1, with 12 hours, 34 minutes of daylight and the longest day is April 30, with 13 hours, 32 minutes of daylight.

Hours of Daylight and Twilight in April



The number of hours during which the Sun is visible (black line). From bottom (most yellow) to top (most gray), the color bands indicate: full daylight, twilight (civil, nautical, and astronomical), and full night.

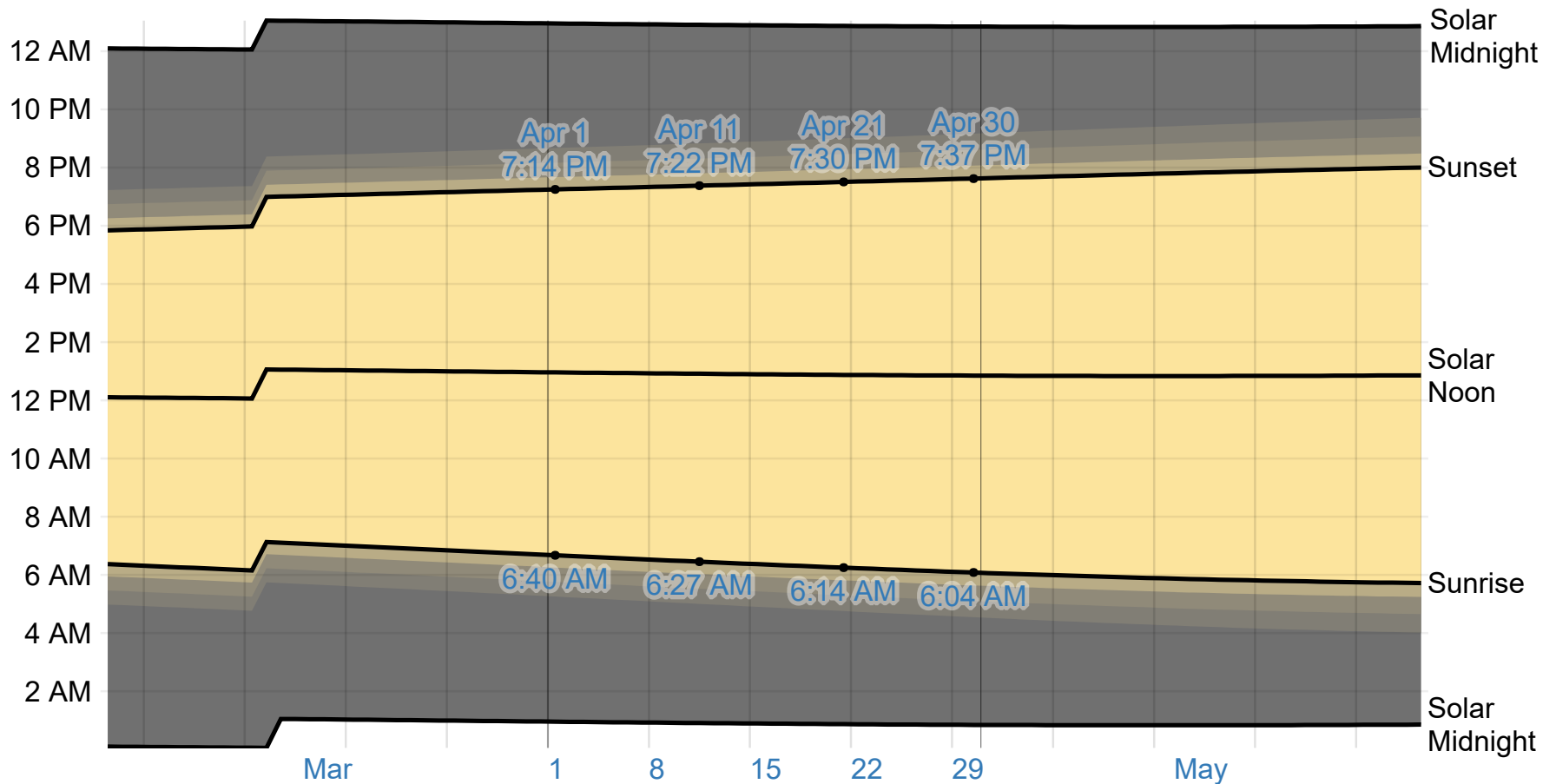
The latest sunrise of the month in Van Nuys is 6:40 AM on April 1 and the earliest sunrise is 36 minutes earlier at 6:04 AM on April 30.

The earliest sunset is 7:14 PM on April 1 and the latest sunset is 22 minutes later at 7:37 PM on April 30.

Daylight saving time is observed in Van Nuys during 2017, but it neither starts nor ends during April, so the entire month is in daylight saving time.

For reference, on June 21, the longest day of the year, the Sun rises at 5:42 AM and sets 14 hours, 26 minutes later, at 8:08 PM, while on December 21, the shortest day of the year, it rises at 6:55 AM and sets 9 hours, 52 minutes later, at 4:48 PM.

Sunrise & Sunset with Twilight and Daylight Saving Time in April



The solar day over the course of April. From bottom to top, the black lines are the previous solar midnight, sunrise, solar noon, sunset, and the next solar midnight. The day, twilights (civil, nautical, and astronomical), and night are indicated by the color bands from yellow to gray.

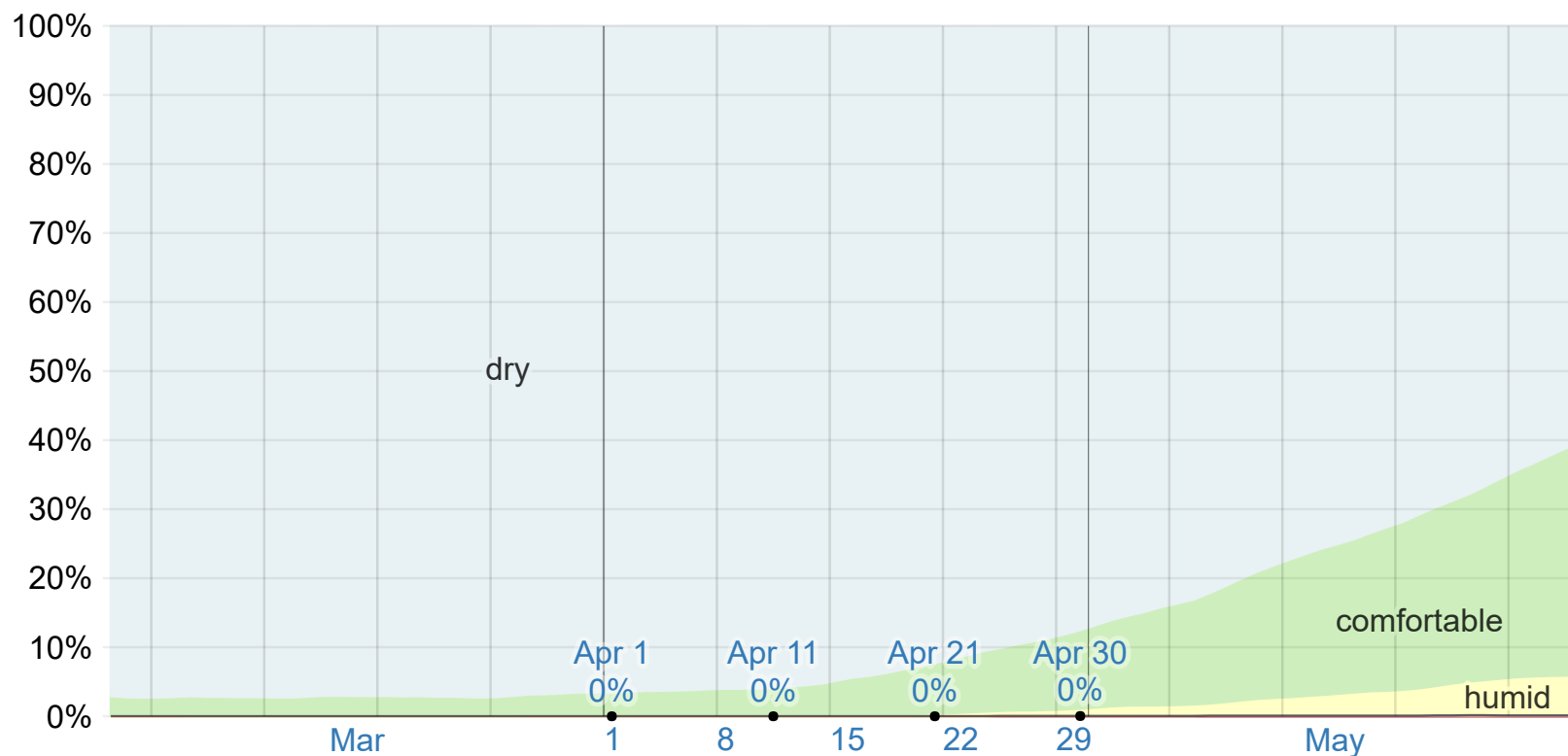
Humidity

We base the humidity comfort level on the dew point, as it determines whether perspiration will evaporate from the skin, thereby cooling the body. Lower dew points feel drier and higher dew points feel more humid. Unlike temperature, which typically varies significantly between night and day, dew point tends to change more slowly, so while the temperature may drop at night, a muggy day is typically followed by a muggy night.

The chance that a given day will be muggy in Van Nuys is essentially constant during April, remaining around 0% throughout.

For reference, on August 5, the muggiest day of the year, there are muggy conditions 5% of the time, while on January 1, the least muggy day of the year, there are muggy conditions 0% of the time.

Humidity Comfort Levels in April



The percentage of time spent at various humidity comfort levels, categorized by dew point: dry < 55°F < comfortable < 60°F < humid < 65°F < muggy < 70°F < oppressive < 75°F < miserable.

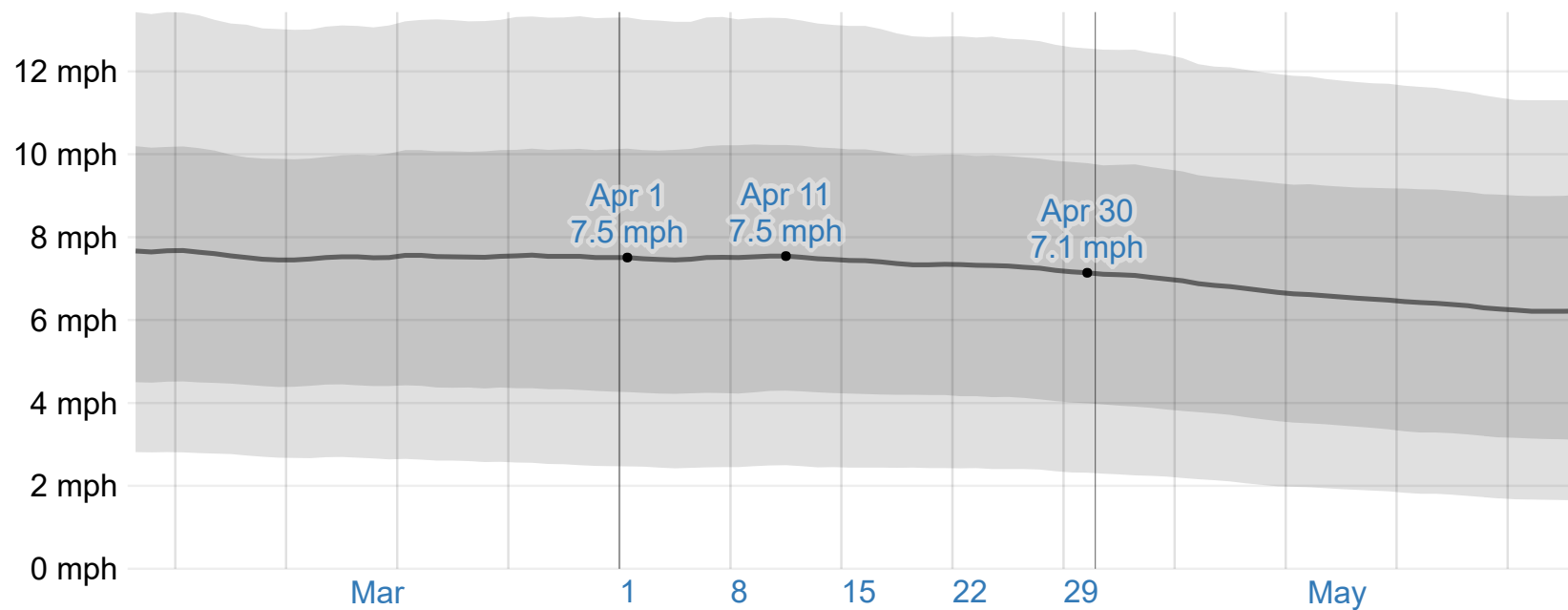
Wind

This section discusses the wide-area hourly average wind vector (speed and direction) at 10 meters above the ground. The wind experienced at any given location is highly dependent on local topography and other factors, and instantaneous wind speed and direction vary more widely than hourly averages.

The average hourly wind speed in Van Nuys is essentially constant during April, remaining within 0.2 miles per hour of 7.3 miles per hour throughout.

For reference, on December 31, the windiest day of the year, the daily average wind speed is 9.0 miles per hour, while on August 14, the calmest day of the year, the daily average wind speed is 5.1 miles per hour.

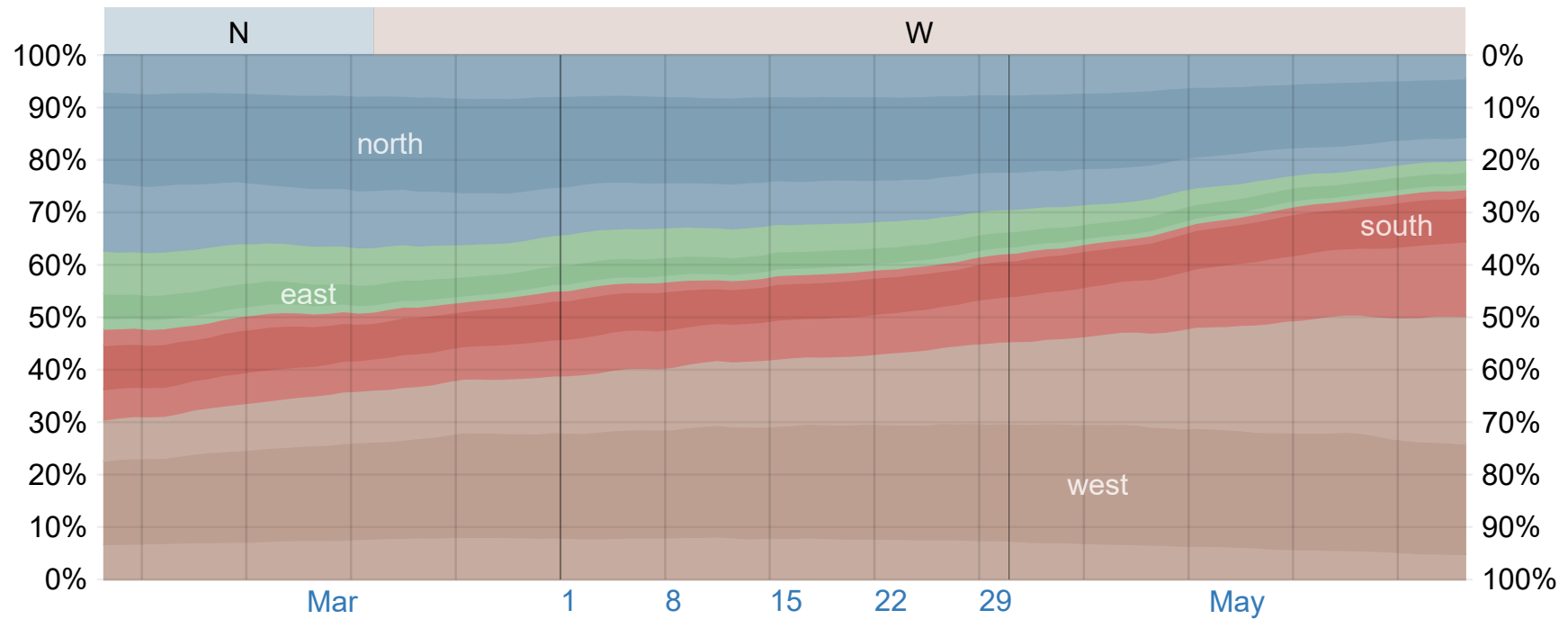
Average Wind Speed in April



The average of mean hourly wind speeds (dark gray line), with 25th to 75th and 10th to 90th percentile bands.

The hourly average wind direction in Van Nuys throughout April is predominantly from the west, with a peak proportion of 45% on April 30.

Wind Direction in April



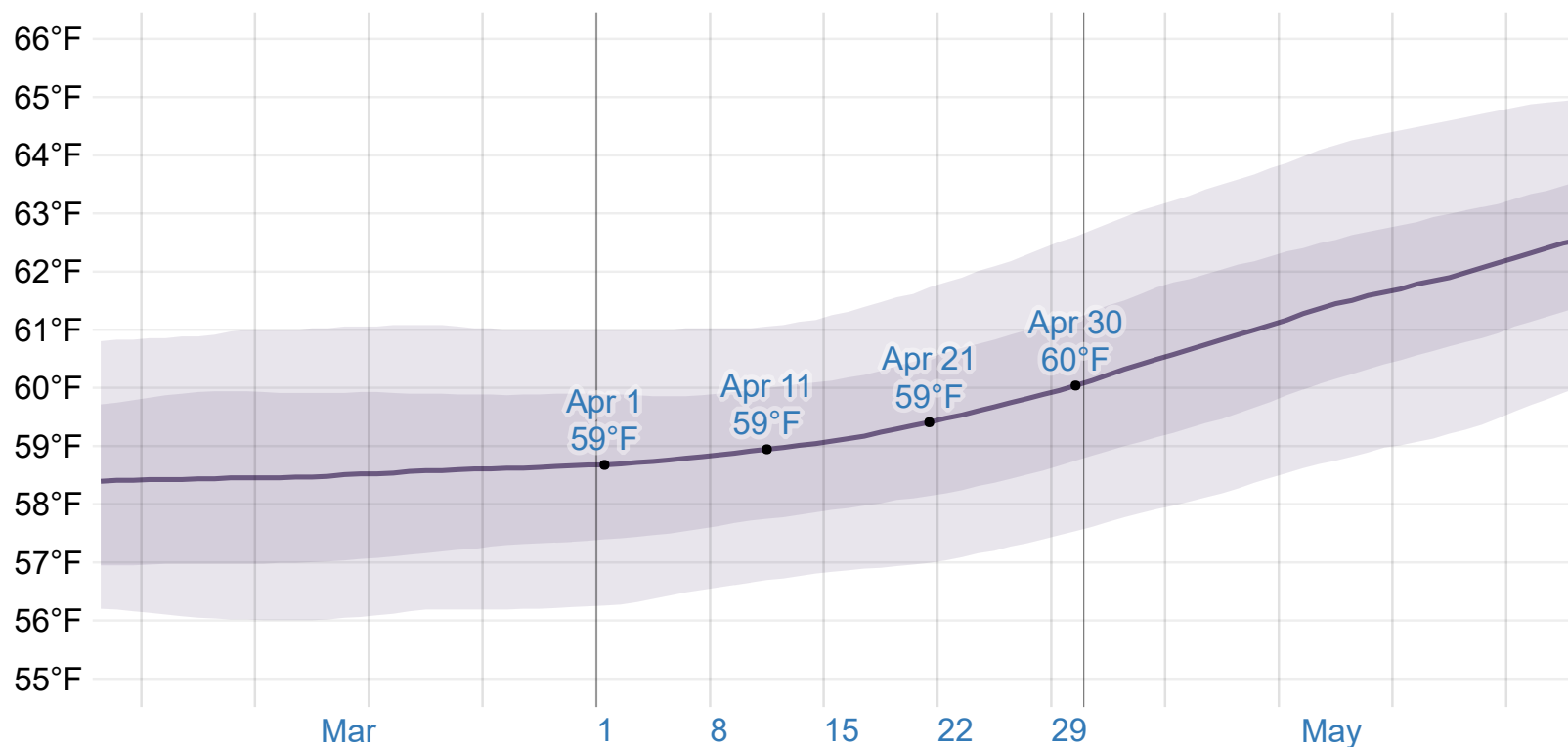
The percentage of hours in which the mean wind direction is from each of the four cardinal wind directions (north, east, south, and west), excluding hours in which the mean wind speed is less than 1 mph. The lightly tinted areas at the boundaries are the percentage of hours spent in the implied intermediate directions (northeast, southeast, southwest, and northwest).

Water Temperature

Van Nuys is located near a large body of water (e.g., ocean, sea, or large lake). This section reports on the wide-area average surface temperature of that water.

The average surface water temperature in Van Nuys is essentially constant during April, remaining within 1°F of 59°F throughout.

Average Water Temperature in April



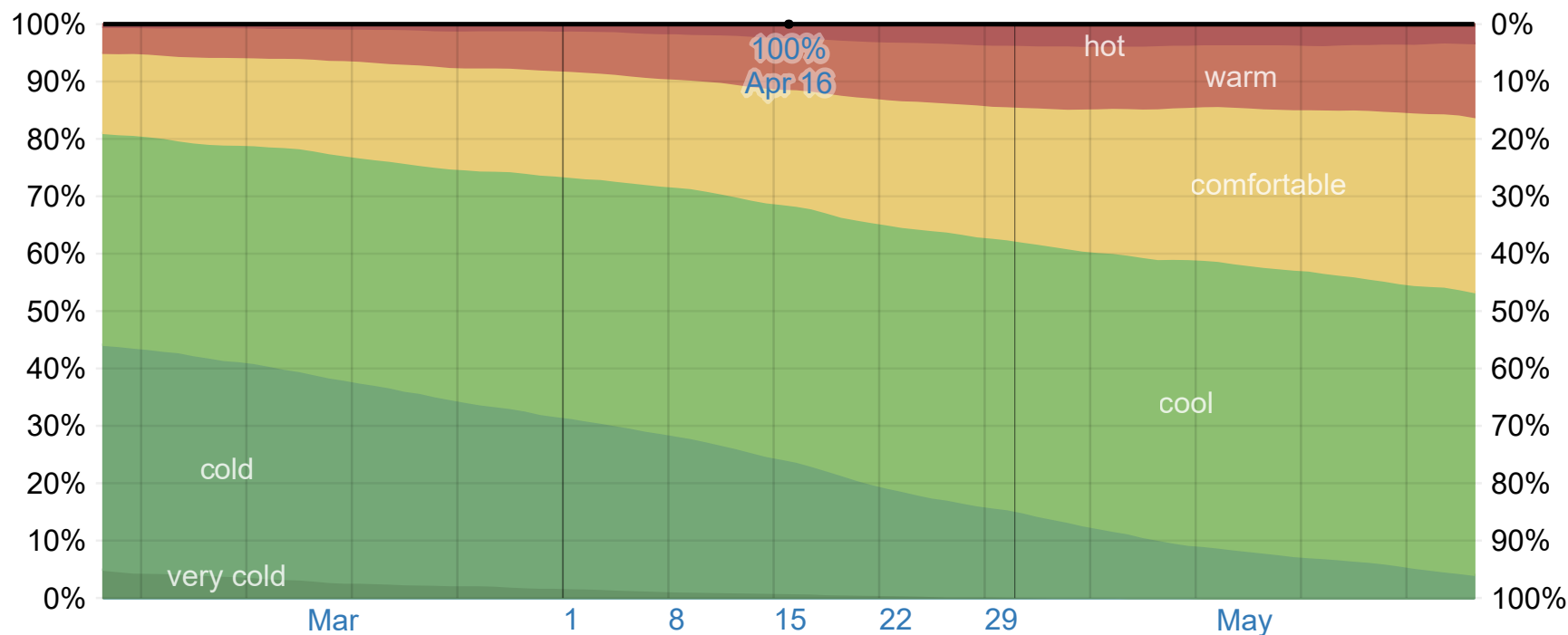
The daily average water temperature (purple line), with 25th to 75th and 10th to 90th percentile bands.

Growing Season

Definitions of the growing season vary throughout the world, but for the purposes of this report, we define it as the longest continuous period of non-freezing temperatures ($\geq 32^{\circ}\text{F}$) in the year (the calendar year in the Northern Hemisphere, or from July 1 until June 30 in the Southern Hemisphere).

Temperatures in Van Nuys are sufficiently warm year round that it is not entirely meaningful to discuss the growing season in these terms. We nevertheless include the chart below as an illustration of the distribution of temperatures experienced throughout the year.

Time Spent in Various Temperature Bands and the Growing Season in April

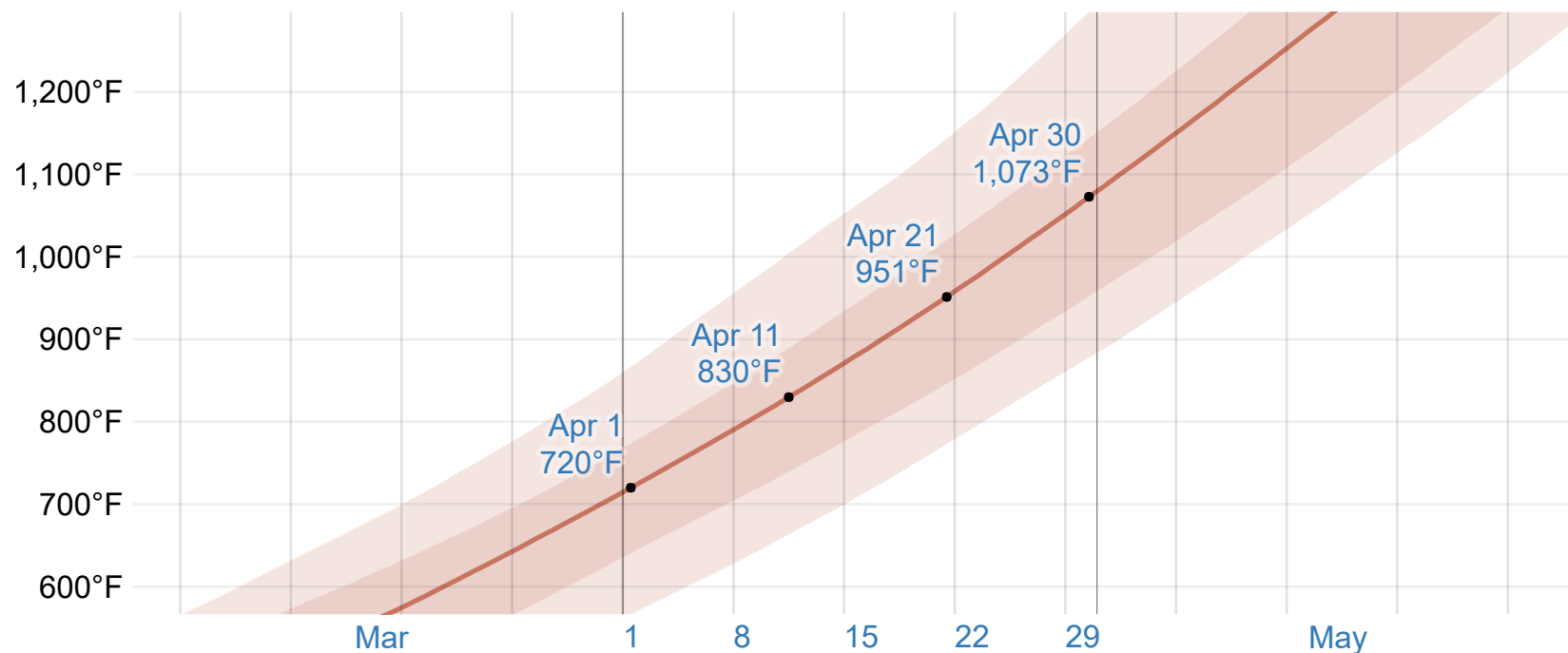


The percentage of time spent in various temperature bands: frigid < 15°F < freezing < 32°F < very cold < 45°F < cold < 55°F < cool < 65°F < comfortable < 75°F < warm < 85°F < hot < 95°F < sweltering. The black line is the percentage chance that a given day is within the growing season.

Growing degree days are a measure of yearly heat accumulation used to predict plant and animal development, and defined as the integral of warmth above a base temperature, discarding any excess above a maximum temperature. In this report, we use a base of 50°F and a cap of 86°F.

The average accumulated growing degree days in Van Nuys are increasing during April, increasing by 353°F, from 720°F to 1,073°F, over the course of the month.

Growing Degree Days in April



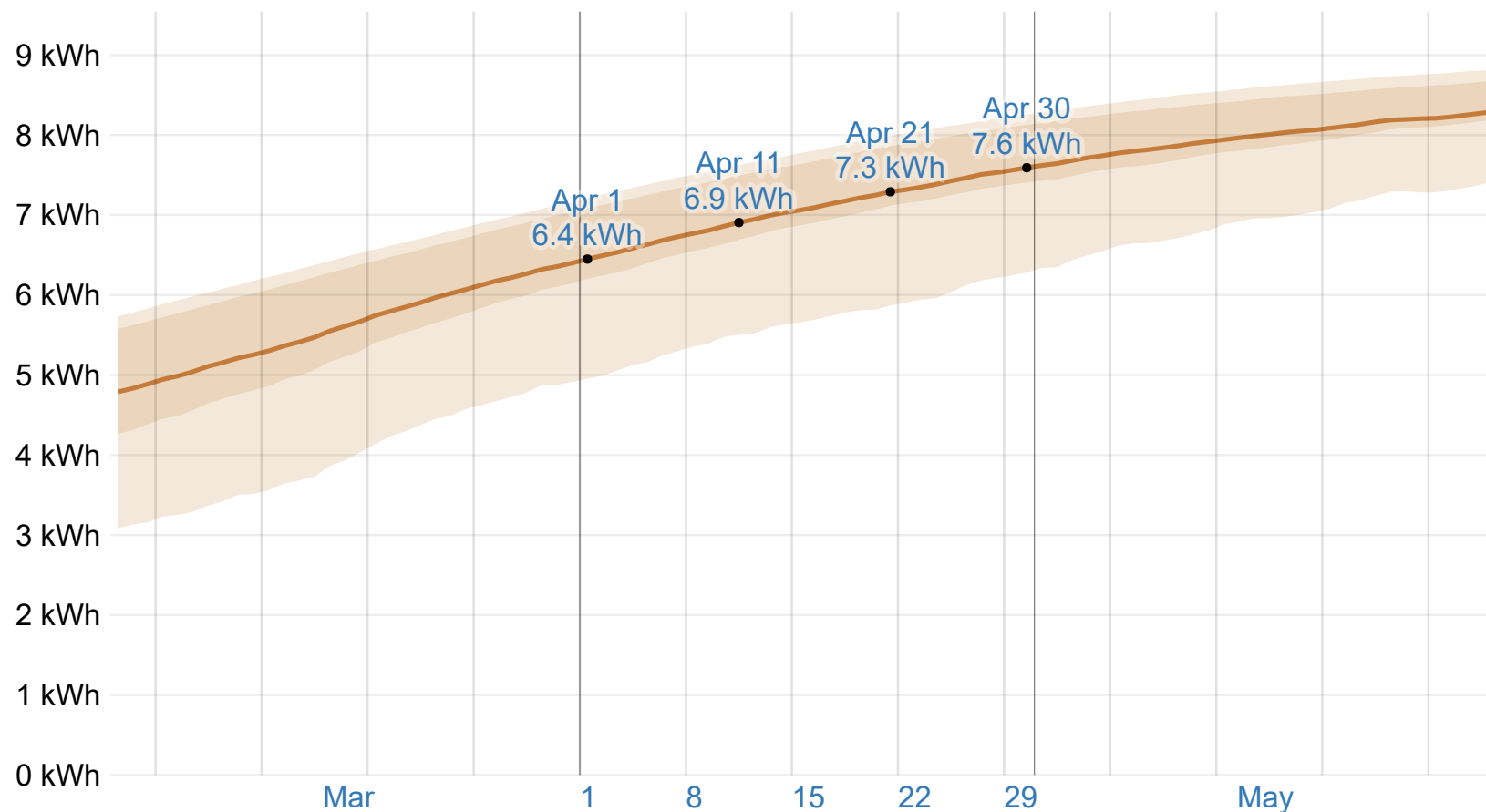
The average growing degree days accumulated over the course of April, with 25th to 75th and 10th to 90th percentile bands.

Solar Energy

This section discusses the total daily incident shortwave solar energy reaching the surface of the ground over a wide area, taking full account of seasonal variations in the length of the day, the elevation of the Sun above the horizon, and absorption by clouds and other atmospheric constituents. Shortwave radiation includes visible light and ultraviolet radiation.

The average daily incident shortwave solar energy in Van Nuys is increasing during April, rising by 1.1 kWh, from 6.4 kWh to 7.6 kWh, over the course of the month.

Average Daily Incident Shortwave Solar Energy in April



The average daily shortwave solar energy reaching the ground per square meter (orange line), with 25th to 75th and 10th to 90th percentile bands.

Topography

For the purposes of this report, the geographical coordinates of Van Nuys are 34.187 deg latitude, -118.449 deg longitude, and 719 ft elevation.

The topography within 2 miles of Van Nuys contains only modest variations in elevation, with a maximum elevation change of 135 feet and an average elevation above sea level of 713 feet. Within 10 miles contains only modest variations in elevation (2,940 feet). Within 50 miles contains large variations in elevation (10,062 feet).

The area within 2 miles of Van Nuys is covered by artificial surfaces (92%), within 10 miles by artificial surfaces (63%) and shrubs (33%), and within 50 miles by shrubs (38%) and water (26%).

Data Sources