

Glossary and Symbols 7.1.

Ambient lighting: Lighting throughout an area that produces general illumination.

Ballast: A device used with a fluorescent or high intensity discharge (HID) lamp to obtain the necessary circuit conditions for starting and operating.

Coefficient of utilization (CU): The ratio of luminous flux (lumens) from a luminaire calculated as received on the workplane to the luminous flux emitted by lamps. When used with skylights, the coefficient of utilization is the ratio of the luminous flux from skylights received on the workplane to the daylight entering the room from the bottom of the light wells.

Daylight saturation: The condition where the interior daylight illuminance level equals or exceeds the specified design illuminance level and the lighting control system thus provides maximum lighting energy savings. At saturation, any further increase in daylight illuminance will not produce additional lighting energy savings.

Diffuse (Lambertian) surface: A surface that emits or reflects light in all directions and has a constant luminance regardless of viewing direction. See also specular reflecting surface.

Effective aperture (EA): A measure of the light-transmitting ability of a fenestration system. Effective aperture is the product of the skylight-to-floor ratio (SFR), the visible transmittance (T_{vis}) and the well factor (WF). EA values range from 0 to 1.0 and are typically less than 0.1 for most practical skylight systems.

Fenestration: Any opening or arrangement of openings for the admission of daylight, including any devices in the immediate proximity of the opening that affect distribution.

Fixture: The housing for a light source, usually providing attachment to the building, housing for the ballast and lamps, and connection to the power source.

Footcandle (fc): One footcandle equals one lumen per square foot (or the illuminance produced on a surface all points of which are one foot from a directionally uniform point source of one candela).

$$1fc = 10.76 \text{ lux} = \frac{\text{lumens}}{m^2}$$

Glazing Efficacy (GE): The measurement of the ability of the glazing material to transmit visible light, in relation to the amount of solar heat it admits into the building. Glazing efficacy is the visible light transmittance divided by the solar heat gain coefficient. Glazing efficacy is the same as the light-to-solar gain ratio (LSG).

High intensity discharge (HID) lamp: Electric discharge lamps that include metal halide, high pressure sodium, and mercury vapor lamps.

High-performance glazing: Typically defined as glazing with $T_{vis} > SC$ (glazing efficacy >1.0).

Illuminance: The density of the luminous flux incident on a surface, expressed in units of footcandles (or lux).

Integral curb: The attachment between the roof and the skylight frame (curb) is pre-manufactured as part of the skylight frame, typically of the same materials as the frame.

Lighting power density (LPD): A measure of the amount of electric lighting installed in a building. Expressed as the number of Watts of lighting power required for the luminaires and lamps installed in a building, divided by the gross number of square feet in the building (Watts/square foot). Also known as unit power density.

Light-to-Solar Gain Ratio (LSG): The ratio of visible light transmittance to solar heat gain coefficient for a glazing assembly. The ratio of the fraction of light transmitted to the fraction of solar heat gain transmitted through a glazing assembly.

Low-emissivity (Low-e) coating: A coating applied to glazing that selectively transmits short wave radiation (such as light) but reflects long wave (infrared) radiation. Lower heat losses and lower U-values result from applying low-e coatings to glazing.

Lumen: The luminous flux emitted within a unit solid angle by a point source having a uniform luminous intensity of one candela.

Luminaire: A complete lighting unit consisting of a lamp, or lamps, together with parts designed to distribute the light, to position and protect the lamps, and to connect the lamps to the power supply.

Luminous efficacy (LE): A measure of the luminous efficiency of a radiant flux, expressed in lumens per Watt. For daylighting, this is the ratio of visible flux incident on a surface divided by radiant flux on that surface. For electric sources, it is the ratio of the total luminous flux emitted divided by the total lamp or luminaire power input.

Photocontrols: Lighting control system that adjusts the electric lighting power in response to the amount of interior light or ambient daylight available.

Shading coefficient (SC): The dimensionless ratio of the total solar heat gain from a particular glazing system to that for one sheet of clear 3mm (1/8") double-strength glass. The solar heat gain is the sum of the transmitted solar energy plus that portion of the absorbed solar energy which flows inward. This term is being gradually replaced by the more accurate *Solar Heat Gain Coefficient*.

Skylight efficacy (SE): The measurement of a skylight system's ability to transmit visible light, in relation to the amount of solar heat it admits into the building. The product of the Light-to-Solar Gain Ratio (LSG) and the Well Factor (WF).

Skylight-to-Floor Ratio (SFR): The ratio of gross skylight opening area to daylit floor area.

Solar altitude: The vertical angular distance of the sun in the sky above the horizon.

Solar azimuth: The horizontal angular distance between the vertical plane containing the sun and true south.

Solar Heat Gain Coefficient (SHGC): The fraction of solar radiation admitted through a glazing assembly; the sum of the transmitted solar energy plus that portion of the absorbed solar energy which flows inward.

Solar transmittance: The transmittance of a glazing material or skylight assembly over the complete solar spectrum.

Specular reflective surface: A surface characterized by the reflectance of light rays striking and leaving the surface at equal angles.

Task lighting: Lighting provided to a local area to provide sufficient illumination for a specific work task, such as a desk lamp, overhead lighting at shelves, or portable lamps for industrial tasks. Usually paired with ambient lighting, providing a lower level of general illumination.

Unit power density: See lighting power density.

U-value: A measure of a material's heat transfer capabilities when placed between two spaces of different temperatures, typically given in Btu/hr-ft²·°F. The U-value is the inverse of the R-value, which measures the material's resistance to heat transfer.

Visible transmittance (T_{vis} or VT): The transmittance of a particular glazing material or skylight assembly over the visible portion of the solar spectrum.

Well Factor (WF): The ratio of the amount of visible light leaving a skylight well to the amount of visible light entering the skylight.

Well Cavity Ratio (WCR): A parameter used to determine the light well factor. Well cavity ratio is a measure of the geometric shape of the well, and is calculated as follows:

$$\text{WCR} = \frac{5 \times \text{Well Height} \times (\text{Well Width} + \text{Well Length})}{\text{Well Width} \times \text{Well Length}}$$

A light well with proportions of a cube always has a well cavity ratio of 10.

Symbols

| | |
|-------------------------|---|
| DG: | Double glazing |
| EA: | Effective aperture |
| fc: | Footcandle |
| kWh: | Kilowatthour |
| LE: | Luminous efficacy |
| lm: | Lumen |
| lm/W: | Lumens per Watt |
| LPD: | Lighting power density |
| LSG: | Light-to-Solar Gain Ratio |
| R: | Reflectance |
| R-#: | R-value, thermal resistance of a material |
| SC: | Shading coefficient |
| SE: | Skylight efficacy |
| SF: | Square feet |
| SHGC: | Solar Heat Gain Coefficient |
| SFR: | Skylight-to-floor ratio |
| SG: | Single glazing |
| T_{vis}: | Visible transmittance |
| U-#: | U-value |
| VDT: | Visual display terminal |
| VT: | Visible transmittance |
| WF: | Well Factor |
| WCR: | Well Cavity Ratio |
| W/sf: | Watts per square foot |

7.2. References

7.2.1. Books and Monographs

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7.2.2. Articles

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7.2.3. Software

ADELINE 2.0

Advanced Daylighting and Electric Lighting Integrated New Environment

Contains the ray-tracing program, Radiance, and Superlite 2.0 a radiosity-based electric lighting and daylighting program. Radiance is a complex program to learn but creates photo-realistic images and technically accurate daylighting and electric lighting results.

Availability:

Lawrence Berkeley National Laboratory

Attn: ADELINE Request

1 Cyclotron Road, MS: 90-3111

Berkeley, CA 94720 USA

<http://floyd.lbl.gov/adeline/>

DOE-2.1E

Description: Comprehensive hour-by-hour simulation; Daylighting and glare calculations integrate with hourly energy simulation. IBM or compatible Pentium is advisable.

Availability

Building Technologies Program

Lawrence Berkeley Laboratory

1 Cyclotron Road, Bldg. 90-3111

Berkeley, CA 94720

NB: Several Third Party Vendors have produced (more) user-friendly versions of DOE 2 for the professional market. Lawrence Berkeley Laboratory can provide a list of third party vendors.

ENERGY-10 / Designing Low Energy Buildings

Description: An hour-by-hour simulation program designed to inform the earliest phases of the design process. Simplified inputs as compared with DOE-2.1E

Availability:

Passive Solar Industries Council (PSIC)
1511 K Street NW, Suite 600
Washington D.C. 20005
(202) 628-7400
<http://www.psic.org>

Lumen-Micro 6

Description: Analyzes complex interior lighting systems including daylight, direct/indirect lighting, mixed and even aimed luminaires.

Availability

Lighting Technologies
2540 Frontier Street, Suite 107
Boulder, Colorado
<http://www.lighting-technologies.com>

Superlite 2.0

Description: Updated version of SUPERLITE 1.01. Now analyzes daylight and electric lighting for various room geometries. Free, but no technical support.

Availability

Building Technologies Program
Lawrence Berkeley Laboratory
1 Cyclotron Road, Bldg. 90-3111
Berkeley, CA 94720
<http://eande.lbl.gov/superlite2.html>

TMY2 Weather data

Description: Hourly weather data including illuminance for a “typical” year for 239 weather stations in the United States and its territories. Free, either on CD-ROM or available for downloading from the Internet.

Availability

National Renewable Energy Laboratory
1617 Cole Boulevard
Golden, Colorado 80401-3393
http://rredc.nrel.gov/solar/old_data/nsrdb/tmy2/

WINDOW 4.1

Description: WINDOW 4.1 is a publicly available IBM PC compatible computer program for calculating total window thermal performance indices (i.e. U-values, solar heat gain coefficients, shading coefficients, and visible transmittances). WINDOW 4.1 provides a versatile heat transfer analysis method consistent with the rating procedure

developed by the National Fenestration Rating Council (NFRC).

Availability:

Software Request

Windows & Daylighting Group

MS 90-3111

Lawrence Berkeley National Laboratory

Berkeley, CA 94720

<http://windows.lbl.gov/software/window/window.html>

7.3. California Climate Zone Description

The data contained in the following tables was obtained through a joint effort by the Southern California Chapter and the Golden Gate Chapter of ASHRAE. It is reprinted here with the written permission of Southern California Chapter ASHRAE, Inc.

A full listing of design location data for California is contained in the ASHRAE publication SPCDX, *Climate Data for Region X, Arizona, California, Hawaii, and Nevada* (May 1982). The publication may be ordered from:

Order Desk

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KEY TO ABBREVIATIONS:

| | |
|------------|--------------------|
| AFB | Air Force Base |
| AFS | Air Force Station |
| AP | Airport |
| CO | City/County Office |
| FD | Fire Department |
| FS | Fire Station |
| MCB | Marine Corps Base |
| NAS | Naval Air Station |
| NM | National Monument |
| PH | Power House |
| RS | Ranger Station |

CLIMATE ZONES



| City | County | ClimateZone | Latitude | Longitude (Degree Minute) | Elevation | Summer | | | | | | | Winter Minimum | HDD |
|----------------|-----------------|-------------|----------|------------------------------|-----------|--------------|--------------|--------------|--------------|-------------|-------------|-------|----------------|------|
| | | | | | | .1% Dry Bulb | .1% Wet Bulb | .5% Dry Bulb | .5% Wet Bulb | 2% Dry Bulb | 2% Wet Bulb | Range | | |
| Adin RS | Modoc | 16 | 41.20 | 120 57 | 4195 | 96 | 61 | 92 | 60 | 88 | 59 | 43 | -7 | |
| Alameda NAS | Alameda | 3 | 37.79 | 122 19 | 15 | 88 | 65 | 82 | 64 | 76 | 62 | 21 | 35 | 2507 |
| Alamo | Contra Costa | 12 | 37.90 | 122 55 | 410 | 102 | 69 | 97 | 68 | 92 | 66 | 30 | 23 | |
| Albany | Alameda | 3 | 37.90 | 122 15 | 40 | 88 | 65 | 83 | 64 | 77 | 62 | 16 | 30 | |
| Alderpoint | Humboldt | 2 | 40.20 | 123 37 | 460 | 100 | 69 | 95 | 67 | 90 | 65 | 39 | 21 | 3424 |
| Alhambra | Los Angeles | 9 | 34 | | 483 | 100 | 71 | 96 | 70 | 90 | 68 | 25 | 30 | |
| Almaden AFS | Santa Clara | 3 | 37.20 | 121 54 | 3470 | 95 | 62 | 90 | 60 | 85 | 59 | 20 | 20 | 4468 |
| Alondra Park | Los Angeles | 6 | 33.90 | | 50 | 91 | 69 | 86 | 68 | 81 | 66 | 17 | 35 | |
| Alpine | San Diego | 10 | 32.79 | 116 46 | 1735 | 99 | 69 | 95 | 68 | 91 | 67 | 35 | 27 | |
| Altadena | Los Angeles | 9 | 34.20 | | 1200 | 99 | 68 | 94 | 67 | 88 | 66 | 31 | 32 | 1920 |
| Alturas RS | Modoc | 16 | 41.5 | 120 33 | 4400 | 99 | 62 | 96 | 61 | 91 | 59 | 43 | -10 | 6895 |
| Alum Rock | Santa Clara | 4 | 37.40 | 121 50 | 70 | 95 | 68 | 90 | 66 | 84 | 64 | 22 | 28 | |
| Anaheim | Orange | 8 | 33.79 | | 158 | 99 | 69 | 92 | 68 | 85 | 67 | 26 | 32 | |
| Anderson | Shasta | 11 | 40.5 | 122 15 | 430 | 107 | 71 | 103 | 70 | 97 | 68 | 30 | 26 | |
| Angwin | Napa | 2 | 38.59 | 122 25 | 1815 | 98 | 66 | 93 | 64 | 88 | 62 | 33 | 25 | |
| Antioch | Contra Costa | 12 | 38 | 121 46 | 60 | 102 | 70 | 97 | 68 | 91 | 66 | 34 | 22 | 2627 |
| Apple Valley | San Bernardino | 14 | 34.5 | | 2935 | 105 | 66 | 101 | 65 | 97 | 64 | 38 | 14 | |
| Aptos | Santa Cruz | 3 | 37 | | 500 | 94 | 67 | 88 | 66 | 83 | 63 | 30 | 27 | |
| Arcadia | Los Angeles | 9 | 34.20 | | 475 | 100 | 69 | 96 | 68 | 91 | 67 | 30 | 31 | |
| Arcata | Humboldt | 1 | 41 | 124 06 | 218 | 75 | 61 | 69 | 59 | 65 | 58 | 11 | 28 | 5029 |
| Arden | Sacramento | 12 | 38.5 | | 80 | 104 | 70 | 100 | 69 | 94 | 67 | 35 | 28 | |
| Arroyo Grande | San Luis Obispo | 5 | 35.09 | | 105 | 92 | 66 | 86 | 64 | 79 | 62 | 18 | 28 | |
| Artesia | Los Angeles | 8 | 33.79 | | 50 | 99 | 71 | 91 | 70 | 85 | 68 | 23 | 33 | |
| Arvin | Kern | 13 | 35.20 | | 445 | 106 | 71 | 102 | 69 | 98 | 68 | 30 | 26 | |
| Ash Mtn | Tulare | 13 | 36.5 | 118 50 | 1708 | 105 | 69 | 101 | 68 | 97 | 66 | 30 | 25 | 2703 |
| Atascadero | San Luis Obispo | 4 | 35.5 | 120 42 | 837 | 94 | 66 | 89 | 67 | 84 | 65 | 42 | 25 | |
| Atherton | San Mateo | 3 | 37.5 | 122 14 | 50 | 90 | 66 | 84 | 64 | 78 | 62 | 27 | 23 | |
| Atwater | Merced | 12 | 37.29 | | 150 | 102 | 72 | 99 | 70 | 94 | 67 | 38 | 24 | |
| Auberry | Fresno | 13 | 37.09 | 119 30 | 2140 | 102 | 69 | 98 | 67 | 95 | 64 | 36 | 21 | 3313 |
| Auburn | Placer | 11 | 38.90 | 121 04 | 1292 | 103 | 69 | 100 | 67 | 95 | 66 | 33 | 25 | 3089 |
| Avalon | Los Angeles | 6 | 33.40 | 118 19 | 25 | 83 | 64 | 75 | 62 | 69 | 60 | 11 | 37 | 2204 |
| Azusa | Los Angeles | 9 | 34.09 | 118 09 | 605 | 101 | 70 | 97 | 69 | 91 | 68 | 36 | 31 | |
| Baker | San Bernardino | 14 | 35.29 | 116 06 | 940 | 115 | 73 | 112 | 72 | 108 | 70 | 29 | 23 | |
| Bakersfield AP | Kern | 13 | 35.40 | 119 03 | 475 | 106 | 71 | 102 | 70 | 98 | 68 | 34 | 26 | 2185 |
| Balch PH | San Bernardino | 14 | 36.90 | | 1720 | 100 | 67 | 97 | 66 | 93 | 64 | 26 | 26 | |
| Baldwin Park | Los Angeles | 9 | 34 | | 394 | 100 | 69 | 96 | 69 | 90 | 68 | 32 | 31 | |
| Banning | Riverside | 15 | 33.90 | 116 53 | 2349 | 104 | 69 | 100 | 68 | 96 | 67 | 34 | 20 | |
| Barrett Dam | San Diego | 10 | 32.70 | 116 40 | 1623 | 103 | 69 | 97 | 68 | 92 | 67 | 35 | 22 | 2656 |
| Barstow | San Bernardino | 14 | 34.90 | 117 02 | 2162 | 107 | 69 | 104 | 69 | 100 | 67 | 35 | 16 | 2580 |
| Beale AFB | Yuba | 11 | 39.09 | 121 26 | 113 | 105 | 71 | 102 | 70 | 97 | 68 | 34 | 25 | 2835 |
| Beaumont | Riverside | 10 | 33.90 | 116 58 | 2605 | 103 | 68 | 99 | 67 | 95 | 66 | 38 | 22 | 2628 |
| Bell | Los Angeles | 8 | 33.90 | | 143 | 97 | 70 | 91 | 69 | 85 | 67 | 22 | 33 | |
| Bell Gardens | Los Angeles | 8 | 33.90 | | 160 | 97 | 70 | 91 | 69 | 78 | 62 | 24 | 29 | |
| Bellflower | Los Angeles | 8 | 33.79 | | 73 | 98 | 70 | 91 | 69 | 85 | 67 | 21 | 32 | |
| Belmont | San Mateo | 3 | 37.5 | | 33 | 90 | 66 | 84 | 64 | 78 | 62 | 24 | 29 | |
| Ben Lomond | Santa Cruz | 3 | 37.09 | 122 06 | 450 | 92 | 67 | 85 | 66 | 79 | 63 | 30 | 25 | |
| Benicia | Solano | 12 | 38.09 | 122 06 | 55 | 99 | 69 | 93 | 67 | 87 | 65 | 30 | 28 | |
| Berkeley | Alameda | 3 | 37.90 | 122 15 | 345 | 90 | 64 | 83 | 63 | 76 | 61 | 16 | 33 | 2950 |
| Berryessa Lake | Napa | 2 | 38.59 | 122 03 | 480 | 102 | 70 | 98 | 69 | 92 | 67 | 35 | 26 | |

| City | County | ClimateZone | Latitude | Longitude (Degree Minute) | Elevation | Summer | | | | | | | Winter Minimum | HDD |
|---------------------|-----------------|-------------|----------|------------------------------|-----------|--------------|--------------|--------------|--------------|-------------|-------------|-------|----------------|------|
| | | | | | | .1% Dry Bulb | .1% Wet Bulb | .5% Dry Bulb | .5% Wet Bulb | 2% Dry Bulb | 2% Wet Bulb | Range | | |
| Beverly Hills | Los Angeles | 9 | 34.09 | 118 10 | 268 | 94 | 69 | 88 | 68 | 83 | 66 | 20 | 39 | |
| Big Bar RS | Trinity | 16 | 40.79 | 121 48 | 1260 | 102 | 68 | 98 | 67 | 93 | 65 | 46 | 19 | |
| Big Bear Lake | San Bernardino | 16 | 34.20 | 116 53 | 6745 | 87 | 59 | 83 | 58 | 79 | 56 | 32 | -3 | 6850 |
| Bishop AP | Inyo | 16 | 37.40 | 118 22 | 4108 | 103 | 61 | 100 | 60 | 97 | 58 | 40 | 5 | 4313 |
| Blackwells Corner | Kern | 13 | 35.59 | 119 54 | 644 | 99 | 68 | 94 | 66 | 89 | 65 | 31 | 23 | |
| Bloomington | San Bernardino | 10 | 34 | | 980 | 106 | 71 | 102 | 70 | 98 | 69 | 34 | 30 | |
| Blue Canyon AP | Placer | 16 | 39.29 | 120 42 | 5280 | 88 | 60 | 85 | 59 | 81 | 57 | 20 | 13 | 5704 |
| Blythe AP | Riverside | 15 | 33.59 | 114 43 | 395 | 115 | 74 | 112 | 73 | 108 | 71 | 27 | 28 | 1219 |
| Blythe CO | Riverside | 15 | 33.59 | 114 36 | 268 | 115 | 74 | 112 | 73 | 108 | 71 | 27 | 24 | 1312 |
| Boca | Nevada | 16 | 39.40 | 120 06 | 5575 | 92 | 58 | 89 | 57 | 84 | 55 | 46 | -18 | 8340 |
| Bodie | Mono | 16 | 38.20 | 119 01 | 8370 | 83 | 50 | 80 | 49 | 76 | 48 | 42 | -21 | |
| Bonita | Madera | 13 | 32.70 | 117 02 | 105 | 91 | 69 | 82 | 67 | 78 | 64 | 20 | 28 | 1864 |
| Boron AFS | Kern | 14 | 35.09 | 117 35 | 3015 | 106 | 70 | 103 | 69 | 98 | 68 | 35 | 18 | 3000 |
| Borrego Desert PK | San Diego | 15 | 33.20 | 116 24 | 805 | 112 | 76 | 107 | 74 | 101 | 72 | 36 | 25 | |
| Bowman Dam | Placer | 11 | 39.40 | 120 39 | 5347 | 89 | 59 | 86 | 57 | 82 | 55 | 26 | 9 | 5964 |
| Brannan Island | Sacramento | 12 | 38.09 | 121 42 | 30 | 100 | 69 | 95 | 68 | 89 | 67 | 10 | 24 | |
| Brawley 2 SW | Imperial | 15 | 33 | 115 33 | -100 | 113 | 74 | 110 | 73 | 105 | 73 | 32 | 25 | 1204 |
| Brea Dam | Orange | 8 | 33.90 | | 275 | 100 | 69 | 94 | 68 | 86 | 66 | 29 | 30 | |
| Bridgeport | Mono | 16 | 38.20 | 119 13 | 6470 | 89 | 56 | 86 | 54 | 82 | 53 | 41 | -20 | |
| Broderick-Bryte | Yolo | 12 | 38.59 | 121 30 | 20 | 104 | 71 | 100 | 69 | 94 | 67 | 36 | 25 | |
| Brooks Ranch | Yolo | 12 | 38.79 | 122 09 | 294 | 104 | 71 | 99 | 70 | 93 | 68 | 35 | 19 | 2968 |
| Buena Park | Orange | 8 | 33.90 | | 75 | 98 | 69 | 92 | 68 | 85 | 67 | 25 | 31 | |
| Burbank AP | Los Angeles | 9 | 34.20 | 118 21 | 699 | 101 | 70 | 96 | 68 | 90 | 67 | 28 | 29 | 1701 |
| Burbank Vly Pump | Los Angeles | 9 | 34.20 | 118 21 | 655 | 101 | 69 | 96 | 68 | 90 | 66 | 28 | 29 | 1678 |
| Burlingame | San Mateo | 3 | 37.59 | 122 21 | 10 | 88 | 67 | 82 | 64 | 76 | 63 | 20 | 30 | |
| Burney | Shasta | 16 | 40.90 | 121 40 | 3127 | 95 | 64 | 92 | 63 | 88 | 61 | 42 | 0 | 6404 |
| Butler Valley | | | 40.7 | 123 56 | 420 | 91 | 66 | 86 | 64 | 81 | 62 | 22 | 20 | |
| Buttonwillow | Kern | 13 | 35.40 | 119 28 | 269 | 103 | 71 | 99 | 70 | 95 | 68 | 36 | 20 | 2621 |
| Cabrillo NM | San Diego | 7 | 32.70 | 117 14 | 410 | 89 | 69 | 84 | 68 | 80 | 67 | 12 | 39 | |
| Cachuma Lake | Santa Barbara | 5 | 34.59 | 119 59 | 781 | 97 | 69 | 92 | 67 | 87 | 65 | 19 | 26 | |
| Calabasas | Los Angeles | 9 | 34.20 | | 1100 | 102 | 71 | 98 | 70 | 93 | 69 | 26 | 26 | 2348 |
| Calaveras Big Trees | San Joaquin | 12 | 38.29 | 120 19 | 4696 | 92 | 61 | 88 | 60 | 84 | 58 | 33 | 11 | 5848 |
| Calxico | Imperial | 15 | 32.70 | | 12 | 114 | 74 | 110 | 73 | 106 | 71 | 28 | 26 | |
| Callahan | Siskiyou | 16 | 41.29 | 122 48 | 3185 | 97 | 63 | 93 | 62 | 88 | 60 | 35 | 7 | |
| Calwa | Fresno | 13 | 36.79 | | 330 | 105 | 73 | 101 | 71 | 97 | 68 | 34 | 23 | |
| Camarillo | Ventura | 6 | 34.20 | 119 12 | 147 | 91 | 69 | 84 | 68 | 78 | 67 | 22 | 28 | |
| Cambria AFS | San Luis Obispo | 5 | 35.5 | 121 04 | 690 | 78 | 62 | 72 | 61 | 66 | 59 | 16 | 30 | 3646 |
| Camp Pardee | Calaveras | 12 | 38.20 | 120 51 | 658 | 106 | 71 | 103 | 70 | 98 | 69 | 36 | 27 | 2812 |
| Camp Roberts | Monterey | 4 | 35.79 | 120 45 | 765 | 106 | 72 | 101 | 71 | 95 | 69 | 45 | 16 | 2890 |
| Campbell | Santa Clara | 4 | 37.29 | 121 50 | 195 | 93 | 69 | 88 | 66 | 83 | 65 | 30 | 28 | |
| Campo | San Diego | 14 | 32.59 | 116 28 | 2630 | 101 | 67 | 95 | 66 | 90 | 66 | 41 | 16 | 3303 |
| Canoga Park | Los Angeles | 9 | 34.20 | 118 34 | 790 | 104 | 71 | 99 | 70 | 93 | 69 | 38 | 25 | 1884 |
| Cantil | Kern | 14 | 35.29 | 117 58 | 2010 | 111 | 71 | 107 | 71 | 103 | 70 | 32 | 12 | |
| Canyon Dam | Plumas | 16 | 40.09 | 121 05 | 4555 | 93 | 60 | 90 | 59 | 85 | 57 | 39 | 1 | 6834 |
| Capitola | Santa Cruz | 3 | 37 | | 64 | 94 | 67 | 88 | 66 | 81 | 63 | 24 | 27 | |
| Cardiff-by-the-Sea | San Diego | 7 | 33 | | 80 | 87 | 68 | 83 | 67 | 77 | 65 | 12 | 35 | |
| Carlsbad | San Diego | 7 | 33.20 | | 44 | 87 | 68 | 83 | 67 | 77 | 65 | 10 | 34 | |
| Carmel Valley | Monterey | 3 | 36.5 | 121 44 | 425 | 94 | 68 | 88 | 66 | 80 | 65 | 20 | 25 | |
| Carmichael | Sacramento | 12 | 38.59 | 121 27 | 100 | 104 | 70 | 100 | 69 | 94 | 68 | 35 | 25 | |

| City | County | ClimateZone | Latitude | Longitude (Degree Minute) | Elevation | Summer | | | | | | | Winter Minimum | HDD |
|---------------------|----------------|-------------|----------|------------------------------|-----------|--------------|--------------|--------------|--------------|-------------|-------------|-------|----------------|------|
| | | | | | | .1% Dry Bulb | .1% Wet Bulb | .5% Dry Bulb | .5% Wet Bulb | 2% Dry Bulb | 2% Wet Bulb | Range | | |
| Carpinteria | Santa Barbara | 6 | 34.40 | | 385 | 90 | 69 | 83 | 67 | 77 | 65 | 15 | 30 | |
| Carson | Los Angeles | 6 | 33.79 | | 60 | 96 | 69 | 88 | 68 | 82 | 66 | 19 | 33 | |
| Castle AFB | Merced | 12 | 37.40 | 120 34 | 188 | 105 | 71 | 101 | 70 | 96 | 69 | 33 | 24 | 2590 |
| Castro Valley | Alameda | 3 | 37.59 | 122 12 | 177 | 93 | 67 | 87 | 67 | 80 | 65 | 25 | 24 | |
| Catheys Valley | Mariposa | 12 | 37.40 | 120 03 | 1000 | 102 | 69 | 99 | 68 | 94 | 67 | 38 | 21 | |
| Cecilville | Siskiyou | 16 | 41.09 | 123 08 | 3000 | 95 | 63 | 89 | 62 | 84 | 59 | 44 | 13 | |
| Cedarville | Modoc | 16 | 41.5 | 120 10 | 4670 | 97 | 61 | 94 | 60 | 89 | 58 | 35 | 1 | 6304 |
| Centerville PH | Butte | 11 | 39.79 | 121 40 | 522 | 105 | 70 | 100 | 68 | 96 | 67 | 40 | 25 | 2895 |
| Ceres | Stanislaus | 12 | 37.59 | | 90 | 101 | 72 | 96 | 70 | 90 | 67 | 36 | 24 | |
| Cerritos | Los Angeles | 8 | 33.90 | | 34 | 99 | 71 | 92 | 69 | 85 | 68 | 23 | 33 | |
| Cherry Valley Dam | Tuolumne | 10 | 38 | | 4765 | 96 | 62 | 92 | 61 | 88 | 59 | 32 | 9 | |
| Cherryland | Alameda | 3 | 37.5 | | 100 | 93 | 67 | 86 | 66 | 79 | 64 | 24 | 26 | |
| Chester | Plumas | 16 | 40.29 | 121 14 | 4525 | 94 | 62 | 91 | 61 | 86 | 59 | 33 | -3 | |
| Chico Exp Sta | Butte | 11 | 39.70 | 121 47 | 205 | 105 | 70 | 102 | 69 | 96 | 68 | 37 | 22 | 2878 |
| China Lake | San | 14 | 35.70 | 117 41 | 2220 | 112 | 70 | 108 | 68 | 104 | 68 | 33 | 15 | 2560 |
| Chino | San Bernardino | 10 | 34 | | 714 | 104 | 70 | 100 | 69 | 94 | 68 | 35 | 27 | |
| Chula Vista | San Diego | 7 | 32.59 | 117 05 | 9 | 90 | 70 | 84 | 68 | 79 | 66 | 9 | 33 | 2072 |
| Citrus Heights | Sacramento | 12 | 38.70 | 121 27 | 138 | 104 | 71 | 100 | 70 | 94 | 68 | 36 | 24 | |
| Claremont | Los Angeles | 9 | 34.09 | 117 43 | 1201 | 101 | 69 | 97 | 68 | 91 | 66 | 34 | 29 | 2049 |
| Clarksburg | Yolo | 12 | 38.40 | 121 32 | 14 | 102 | 70 | 97 | 69 | 91 | 67 | 35 | 24 | 2971 |
| Clearlake Highlands | Lake | 2 | 39 | 122 43 | 1360 | 101 | 69 | 97 | 68 | 89 | 65 | 36 | 15 | |
| Cloverdale | Sonoma | 2 | 38.79 | 122 59 | 320 | 102 | 70 | 97 | 69 | 89 | 66 | 37 | 26 | 2763 |
| Clovis | Fresno | 13 | 36.79 | 119 43 | 404 | 105 | 72 | 102 | 70 | 98 | 68 | 36 | 22 | |
| Coachella | Riverside | 15 | 33.70 | | -76 | 114 | 74 | 110 | 73 | 106 | 73 | 28 | 25 | |
| Coalinga | Fresno | 13 | 36.20 | 120 21 | 671 | 103 | 70 | 98 | 70 | 93 | 69 | 34 | 23 | 2592 |
| Colfax | Placer | 11 | 39.09 | 120 57 | 2418 | 100 | 66 | 97 | 65 | 92 | 63 | 29 | 22 | 3424 |
| Colton | San Bernardino | 10 | 34.09 | | 978 | 105 | 70 | 102 | 68 | 97 | 67 | 35 | 28 | |
| Colusa | Colusa | 11 | 39.20 | 122 01 | 60 | 103 | 72 | 100 | 70 | 94 | 68 | 36 | 23 | 2793 |
| Commerce | Los Angeles | 8 | 33.90 | | 175 | 98 | 69 | 92 | 68 | 86 | 67 | 23 | 33 | |
| Compton | Los Angeles | 8 | 33.90 | 118 13 | 71 | 97 | 69 | 90 | 68 | 83 | 67 | 21 | 33 | 1606 |
| Concord | Contra Costa | 12 | 38 | 112 00 | 195 | 102 | 70 | 97 | 68 | 89 | 65 | 34 | 27 | 3035 |
| Corcoran | Kings | 13 | 36.09 | 119 42 | 200 | 106 | 72 | 102 | 71 | 98 | 70 | 36 | 22 | 2666 |
| Corona | Riverside | 10 | 33.90 | 117 34 | 710 | 104 | 70 | 100 | 69 | 92 | 67 | 35 | 26 | 1794 |
| Coronado | San Diego | 7 | 32.70 | 117 10 | 20 | 89 | 69 | 82 | 67 | 76 | 65 | 10 | 36 | 1500 |
| Corte Madera | Marin | 2 | 37.90 | | 55 | 97 | 68 | 91 | 66 | 84 | 64 | 34 | 28 | |
| Costa Mesa | Orange | 6 | 33.70 | 117 53 | 100 | 88 | 68 | 81 | 66 | 73 | 65 | 16 | 31 | 1482 |
| Covelo | Mendocino | 2 | 39.79 | 123 15 | 1385 | 99 | 67 | 93 | 65 | 87 | 63 | 43 | 15 | 4179 |
| Covina | Los Angeles | 9 | 34.09 | | 575 | 101 | 70 | 97 | 69 | 91 | 68 | 34 | 29 | |
| Crescent City | Del Norte | 1 | 41.79 | 124 12 | 40 | 75 | 61 | 69 | 59 | 65 | 58 | 18 | 28 | 4445 |
| Crockett | Contra Costa | 12 | 38 | 122 13 | 9 | 96 | 68 | 90 | 66 | 85 | 64 | 23 | 28 | |
| Crows Landing | Stanislaus | 12 | 37.40 | 121 06 | 140 | 101 | 70 | 96 | 68 | 89 | 66 | 33 | 23 | 2767 |
| Cucamonga | San Bernardino | 10 | 34.09 | | 1450 | 103 | 69 | 99 | 68 | 93 | 65 | 31 | 29 | |
| Cudahy | Los Angeles | 8 | 33.90 | | 130 | 98 | 70 | 91 | 69 | 85 | 67 | 21 | 33 | |
| Culver City | Los Angeles | 8 | 34 | 118 24 | 106 | 96 | 70 | 88 | 69 | 83 | 67 | 18 | 35 | 1515 |
| Cupertino | Santa Clara | 4 | 37.29 | 122 00 | 70 | 96 | 68 | 88 | 67 | 80 | 64 | 30 | 28 | |
| Cuyama | Santa Barbara | 4 | 34.90 | 116 35 | 2255 | 99 | 68 | 96 | 67 | 89 | 66 | 42 | 13 | |
| Cuyamaca | San Diego | 7 | 33 | | 4650 | 92 | 64 | 85 | 62 | 81 | 59 | 29 | 11 | 4848 |
| Cypress | Orange | 8 | 33.79 | | 75 | 98 | 70 | 92 | 69 | 85 | 67 | 24 | 31 | |
| Daggett AP | San Bernardino | 14 | 34.90 | 116 47 | 1915 | 109 | 68 | 106 | 68 | 102 | 66 | 33 | 21 | 2203 |

| City | County | ClimateZone | Latitude | Longitude (Degree Minute) | Elevation | Summer | | | | | | | Winter Minimum | HDD |
|-------------------|----------------|-------------|----------|------------------------------|-----------|--------------|--------------|--------------|--------------|-------------|-------------|-------|----------------|------|
| | | | | | | .1% Dry Bulb | .1% Wet Bulb | .5% Dry Bulb | .5% Wet Bulb | 2% Dry Bulb | 2% Wet Bulb | Range | | |
| Daly City | San Mateo | 3 | 37.59 | 122 30 | 410 | 84 | 65 | 78 | 62 | 73 | 61 | 16 | 34 | |
| Davis | Yolo | 12 | 38.5 | 121 46 | 60 | 103 | 72 | 99 | 70 | 93 | 68 | 41 | 24 | 2844 |
| De Sabla | Butte | 11 | 39.90 | 121 37 | 2713 | 97 | 66 | 94 | 64 | 88 | 62 | 35 | 18 | 4237 |
| Death Valley | Inyo | 14 | 36.5 | 116 52 | -194 | 121 | 77 | 118 | 76 | 114 | 74 | 28 | 27 | 1147 |
| Deep Springs Clg | Inyo | 16 | 37.5 | 117 59 | 5225 | 98 | 60 | 95 | 59 | 92 | 58 | 35 | -3 | |
| Deer Creek PH | Nevada | 16 | 39.29 | 120 51 | 4455 | 93 | 61 | 91 | 60 | 87 | 58 | 39 | 10 | 5863 |
| Del Aire | Los Angeles | 6 | 34 | | 100 | 91 | 69 | 84 | 67 | 79 | 66 | 15 | 37 | |
| Delano | Kern | 13 | 35.79 | | 323 | 106 | 71 | 102 | 70 | 98 | 69 | 36 | 22 | |
| Denair | Stanislaus | 12 | 37.59 | 120 47 | 137 | 100 | 70 | 95 | 69 | 89 | 67 | 38 | 22 | 2974 |
| Diamond Bar | Los Angeles | 9 | 34 | | 880 | 101 | 69 | 97 | 68 | 92 | 66 | 33 | 28 | |
| Dinuba | Tulare | 13 | 36.5 | | 340 | 104 | 73 | 101 | 70 | 96 | 69 | 36 | 24 | |
| Dixon | Solano | 12 | 38.40 | 121 51 | 100 | 104 | 72 | 99 | 70 | 93 | 68 | 36 | 24 | 2826 |
| Dobbins | Yuba | 11 | 39.40 | 121 12 | 1640 | 104 | 70 | 101 | 68 | 96 | 67 | 31 | 24 | |
| Donner Mem Stt Pk | Nevada/Placer | 16 | 39.29 | 120 15 | 5937 | 85 | 56 | 82 | 56 | 77 | 54 | 40 | -3 | |
| Donner Summit | Placer | 16 | 39.40 | 120 20 | 7239 | 80 | 53 | 77 | 53 | 72 | 50 | 40 | -8 | 8290 |
| Downey | Los Angeles | 8 | 33.90 | 118 00 | 110 | 98 | 71 | 90 | 70 | 84 | 68 | 21 | 32 | |
| Downieville RS | Sierra | 16 | 39.59 | 120 48 | 2895 | 98 | 64 | 95 | 63 | 90 | 61 | 42 | 13 | |
| Doyle | Lassen | 16 | 40 | 120 06 | 4390 | 96 | 63 | 93 | 62 | 88 | 59 | 42 | 0 | |
| Dry Canyon Res | Ventura | 16 | 34.5 | 118 32 | 1455 | 105 | 71 | 100 | 69 | 96 | 68 | 32 | 24 | |
| Duarte | Los Angeles | 9 | 34.09 | | 500 | 100 | 69 | 96 | 68 | 90 | 67 | 33 | 31 | |
| Dublin | Alameda | 12 | 37.70 | 121 30 | 200 | 99 | 69 | 93 | 67 | 86 | 65 | 35 | 24 | |
| Dudleys | Mariposa | 12 | 37.70 | 120 06 | 3000 | 97 | 65 | 94 | 64 | 90 | 62 | 44 | 10 | 4959 |
| Duttons Landing | | 2 | 38.2 | 122 18 | 20 | 96 | 68 | 91 | 66 | 84 | 64 | 31 | 26 | |
| Eagle Mtn | Riverside | 14 | 33.79 | 115 27 | 973 | 113 | 72 | 110 | 71 | 105 | 69 | 24 | 32 | 1138 |
| East Los Angeles | Los Angeles | 9 | 34 | 118 15 | 250 | 99 | 69 | 92 | 68 | 86 | 67 | 21 | 38 | |
| East Park Res | Colusa | 11 | 39.40 | 122 31 | 1205 | 101 | 69 | 97 | 68 | 92 | 66 | 38 | 19 | 3455 |
| Edwards AFB | Kern | 14 | 34.90 | 117 52 | 2316 | 107 | 69 | 104 | 68 | 99 | 66 | 35 | 10 | 3123 |
| El Cajon | San Diego | 10 | 32.70 | 116 57 | 525 | 96 | 70 | 91 | 69 | 87 | 67 | 30 | 29 | |
| El Capitan Dam | San Diego | 14 | 32.90 | 116 49 | 600 | 105 | 71 | 98 | 70 | 93 | 68 | 35 | 29 | 1533 |
| El Centro | Imperial | 15 | 32.79 | 115 34 | -30 | 115 | 74 | 111 | 73 | 107 | 73 | 34 | 26 | 1212 |
| El Cerrito | Contra Costa | 3 | 37.79 | | 70 | 91 | 66 | 84 | 64 | 75 | 62 | 17 | 30 | |
| El Mirage | San Bernardino | 14 | 34.59 | | 2910 | 105 | 69 | 101 | 68 | 97 | 66 | 31 | 9 | |
| El Monte | Los Angeles | 9 | 34.09 | | 271 | 101 | 71 | 97 | 70 | 91 | 68 | 30 | 31 | |
| El Rio | Ventura | 6 | 34.29 | | 50 | 95 | 69 | 88 | 68 | 82 | 66 | 20 | 30 | |
| El Segundo | Los Angeles | 6 | 33.90 | | 105 | 91 | 69 | 84 | 68 | 79 | 66 | 14 | 37 | |
| El Toro MCAS | Orange | 8 | 33.70 | 117 44 | 380 | 96 | 69 | 89 | 69 | 82 | 68 | 26 | 34 | 1591 |
| Electra PH | Amador | 12 | 38.29 | 120 40 | 715 | 106 | 70 | 102 | 69 | 98 | 68 | 41 | 23 | 2858 |
| Elk Valley | Del Norte | 16 | 42 | 123 43 | 1705 | 96 | 65 | 90 | 63 | 84 | 61 | 39 | 16 | 5404 |
| Elsinore | Riverside | 10 | 33.70 | 117 20 | 1285 | 105 | 71 | 101 | 70 | 98 | 69 | 39 | 22 | 2128 |
| Encinitas | San Diego | 7 | 33 | | 50 | 87 | 68 | 83 | 67 | 77 | 65 | 10 | 35 | |
| Enterprise | Shasta | 11 | 40.59 | | 470 | 107 | 69 | 103 | 68 | 97 | 67 | 29 | 26 | |
| Escondido | San Diego | 10 | 33.09 | 117 05 | 660 | 97 | 69 | 90 | 68 | 84 | 67 | 29 | 26 | 2005 |
| Eureka | Humboldt | 1 | 40.79 | 124 10 | 43 | 75 | 61 | 69 | 59 | 65 | 58 | 11 | 30 | 4679 |
| Fair Oaks | Sacramento | 12 | 38.70 | 121 16 | 50 | 104 | 70 | 100 | 69 | 94 | 69 | 36 | 23 | |
| Fairfax | Marin | 2 | 38 | | 110 | 96 | 68 | 90 | 66 | 83 | 63 | 34 | 26 | |
| Fairfield FS | Solano | 12 | 38.29 | 122 02 | 38 | 103 | 69 | 98 | 68 | 91 | 66 | 34 | 24 | 2686 |
| Fairmont | Los Angeles | 14 | 34.70 | 118 26 | 3060 | 100 | 67 | 96 | 66 | 92 | 65 | 22 | 22 | 3330 |
| Fallbrook | San Diego | 10 | 33.59 | 117 15 | 660 | 94 | 68 | 89 | 67 | 85 | 66 | 29 | 26 | 2077 |
| Ferndale | Humboldt | 1 | 40.5 | 124 18 | 1445 | 76 | 57 | 66 | 56 | 62 | 54 | 12 | 28 | |

| City | County | ClimateZone | Latitude | Longitude (Degree Minute) | Elevation | Summer | | | | | | Winter Minimum | HDD | |
|---------------------|-----------------|-------------|----------|------------------------------|-----------|--------------|--------------|--------------|--------------|-------------|-------------|----------------|-----|-------|
| | | | | | | .1% Dry Bulb | .1% Wet Bulb | .5% Dry Bulb | .5% Wet Bulb | 2% Dry Bulb | 2% Wet Bulb | | | Range |
| Fillmore | Verntura | 9 | 34.40 | | 435 | 100 | 70 | 94 | 69 | 87 | 67 | 30 | 28 | |
| Five Points | Fresno | 13 | 36.40 | 120 09 | 285 | 103 | 71 | 99 | 70 | 93 | 68 | 36 | 21 | |
| Fleming Fish & Game | Lassen | 16 | 40.40 | 120 19 | 4000 | 96 | 62 | 93 | 61 | 88 | 59 | 40 | -3 | |
| Florence-Graham | Los Angeles | 8 | 34 | | 175 | 98 | 69 | 90 | 68 | 84 | 67 | 19 | 35 | |
| Florin | Sacramento | 12 | 38.5 | | 100 | 104 | 71 | 100 | 69 | 94 | 68 | 35 | 29 | |
| Folsom Dam | Sacramento | 12 | 38.70 | 121 10 | 350 | 104 | 70 | 101 | 69 | 95 | 67 | 36 | 25 | |
| Fontana | San Bernardino | 10 | 34.09 | 117 26 | 1090 | 105 | 70 | 101 | 69 | 97 | 67 | 33 | 30 | 1530 |
| Forest Glen | Trinity | 16 | 40.40 | 123 20 | 2340 | 96 | 65 | 92 | 64 | 88 | 62 | 42 | 12 | |
| Fort Baker | Marin | 3 | 37.79 | 122 28 | 15 | 87 | 66 | 81 | 65 | 73 | 65 | 12 | 33 | 3080 |
| Fort Bidwell | Modoc | 16 | 41.90 | 120 08 | 4498 | 93 | 60 | 90 | 59 | 85 | 57 | 38 | -2 | 6381 |
| Fort Bragg | Mendocino | 1 | 39.5 | 123 49 | 80 | 75 | 60 | 67 | 59 | 62 | 58 | 15 | 29 | 4424 |
| Fort Jones RS | Siskiyou | 16 | 41.59 | 122 51 | 2725 | 98 | 64 | 93 | 63 | 88 | 61 | 44 | 5 | 5590 |
| Fort MacArthur | San Diego | 7 | 33.70 | 118 18 | 200 | 92 | 69 | 84 | 68 | 78 | 66 | 13 | 35 | 1819 |
| Fort Ord | Monterey | 3 | 36.70 | 121 46 | 134 | 86 | 65 | 77 | 63 | 70 | 60 | 18 | 24 | 3818 |
| Fort Ross | Sonoma | 1 | 38.5 | 123 15 | 116 | 79 | 63 | 74 | 62 | 65 | 59 | 19 | 30 | 4127 |
| Foster City | San Mateo | 3 | 37.5 | 122 14 | 20 | 92 | 67 | 84 | 65 | 76 | 63 | 22 | 29 | |
| Fountain Valley | Orange | 6 | 33.70 | | 60 | 97 | 70 | 90 | 68 | 84 | 67 | 18 | 33 | |
| Freedom | Santa Cruz | 3 | 37 | | 1495 | 89 | 67 | 85 | 64 | 79 | 62 | 22 | 27 | |
| Fremont | Alameda | 3 | 37.5 | 122 00 | 56 | 94 | 67 | 88 | 65 | 81 | 63 | 24 | 25 | |
| Fresno AP | Fresno | 13 | 36.79 | 119 43 | 328 | 104 | 73 | 101 | 71 | 97 | 68 | 34 | 24 | 2650 |
| Friant Gov Camp | Fresno | 13 | 37 | 119 43 | 410 | 106 | 72 | 103 | 70 | 100 | 68 | 40 | 23 | 2768 |
| Fullerton | Orange | 8 | 33.90 | | 340 | 100 | 70 | 94 | 69 | 87 | 68 | 26 | 30 | |
| Garden Grove | Orange | 8 | 33.59 | | 85 | 98 | 70 | 91 | 68 | 84 | 67 | 23 | 31 | |
| Gardena | Los Angeles | 8 | 33.90 | | 40 | 92 | 69 | 85 | 68 | 80 | 66 | 18 | 32 | |
| George AFB | San Bernardino | 14 | 34.59 | 117 23 | 2875 | 105 | 67 | 102 | 65 | 98 | 62 | 31 | 19 | 2887 |
| Georgetown RS | El Dorado | 12 | 38.90 | 120 47 | 3001 | 98 | 64 | 95 | 63 | 90 | 61 | 31 | 18 | |
| Giant Forest | Tulare | 16 | 36.59 | 118 46 | 6412 | 84 | 56 | 81 | 55 | 77 | 53 | 26 | 5 | |
| Gillespie Field | Solano | 12 | 32.79 | | 385 | 98 | 71 | 91 | 70 | 85 | 68 | 30 | 24 | |
| Gilroy | Santa Clara | 4 | 37 | 121 34 | 194 | 101 | 70 | 93 | 68 | 86 | 65 | 25 | 23 | |
| Glen Avon | Riverside | 10 | 34 | | 827 | 105 | 70 | 101 | 69 | 95 | 67 | 35 | 28 | |
| Glendale | Los Angeles | 9 | 34.20 | | 563 | 101 | 70 | 96 | 68 | 90 | 67 | 28 | 30 | |
| Glendora | Los Angeles | 9 | 34.09 | | 822 | 102 | 69 | 98 | 68 | 92 | 67 | 35 | 30 | |
| Glenville | Kern | 16 | 35.70 | 118 44 | 3140 | 97 | 67 | 94 | 66 | 90 | 64 | 43 | 11 | 4423 |
| Gold Rock Rch | Imperial | 14 | 32.90 | | 485 | 113 | 73 | 110 | 72 | 106 | 70 | 28 | 31 | |
| Grant Grove | Tulare | 16 | 36.70 | 118 58 | 6600 | 82 | 56 | 78 | 55 | 74 | 52 | 26 | 6 | 7044 |
| Grass Valley | Nevada | 11 | 39.20 | 121 04 | 2400 | 99 | 67 | 96 | 65 | 91 | 63 | 29 | 19 | |
| Graton | Sonoma | 2 | 38.40 | 122 52 | 200 | 95 | 68 | 91 | 67 | 82 | 64 | 34 | 22 | 3409 |
| Grossmont | San Diego | 7 | 32.70 | | 530 | 96 | 69 | 89 | 68 | 84 | 66 | 23 | 31 | |
| Grover City | San Luis Obispo | 5 | 35.09 | | 100 | 93 | 69 | 86 | 64 | 80 | 62 | 18 | 30 | |
| Hacienda Hts | Los Angeles | 9 | 34 | | 300 | 100 | 69 | 96 | 68 | 90 | 67 | 28 | 31 | |
| Haiwee | Inyo | 16 | 36.09 | 117 57 | 3825 | 102 | 65 | 99 | 64 | 95 | 62 | 27 | 15 | 3700 |
| Half Moon Bay | San Mateo | 3 | 37.5 | 122 26 | 60 | 83 | 64 | 76 | 62 | 69 | 59 | 15 | 32 | 3843 |
| Hamilton AFB | Marin | 2 | 38.09 | 122 30 | 3 | 95 | 69 | 88 | 67 | 81 | 65 | 28 | 27 | 3311 |
| Hanford | Kings | 13 | 36.29 | 119 40 | 242 | 102 | 71 | 99 | 70 | 94 | 68 | 37 | 22 | 2736 |
| Happy Camp RS | Siskiyou | 16 | 41.79 | 123 22 | 1150 | 103 | 67 | 97 | 66 | 92 | 65 | 41 | 18 | 4263 |
| Hat Creek PH 1 | Shasta | 16 | 40.90 | 121 33 | 3015 | 99 | 65 | 96 | 64 | 91 | 62 | 48 | 2 | 5689 |
| Hawaiian Gardens | Los Angeles | 8 | 33.79 | | 75 | 97 | 70 | 91 | 69 | 84 | 67 | 23 | 32 | |
| Hawthorne | Los Angeles | 8 | 33.90 | | 70 | 92 | 69 | 85 | 68 | 80 | 66 | 16 | 37 | |
| Hayfield Pumps | Riverside | 14 | 33.70 | 115 38 | 1370 | 112 | 71 | 108 | 70 | 104 | 68 | 31 | 24 | 1529 |

| City | County | ClimateZone | Latitude | Longitude (Degree Minute) | Elevation | Summer | | | | | | | Winter Minimum | HDD |
|-----------------------|----------------|-------------|----------|------------------------------|-----------|--------------|--------------|--------------|--------------|-------------|-------------|-------|----------------|------|
| | | | | | | .1% Dry Bulb | .1% Wet Bulb | .5% Dry Bulb | .5% Wet Bulb | 2% Dry Bulb | 2% Wet Bulb | Range | | |
| Hayward | Alameda | 3 | 37.70 | 122 07 | 530 | 92 | 66 | 86 | 65 | 81 | 62 | 24 | 26 | 2909 |
| Healdsburg | Sonoma | 2 | 38.59 | 122 52 | 102 | 102 | 69 | 95 | 68 | 90 | 66 | 37 | 26 | 2572 |
| Hemet | Riverside | 10 | 33.70 | | 1655 | 109 | 70 | 104 | 69 | 101 | 67 | 40 | 20 | |
| Henshaw Dam | San Diego | 10 | 33.20 | | 2700 | 99 | 68 | 94 | 67 | 90 | 66 | 38 | 15 | 3708 |
| Hermosa Beach | Los Angeles | 6 | 33.90 | | 16 | 92 | 69 | 84 | 68 | 78 | 66 | 12 | 38 | |
| Hetch Hetchy | Tuolumne | 16 | 38 | 119 47 | 3870 | 93 | 62 | 89 | 61 | 85 | 59 | 32 | 14 | 4816 |
| Highland | San Bernardino | 10 | 34.09 | | 1315 | 106 | 70 | 102 | 69 | 97 | 68 | 36 | 26 | |
| Hillcrest Center | Kern or Shasta | 0 | 35.40 | | 500 | 106 | 71 | 102 | 70 | 98 | 68 | 34 | 26 | |
| Hillsborough | San Mateo | 3 | 37.59 | 122 18 | 352 | 90 | 66 | 82 | 65 | 74 | 64 | 23 | 30 | |
| Hilts | Siskiyou | 16 | 42 | 122 38 | 2900 | 97 | 64 | 93 | 62 | 89 | 60 | 39 | 5 | |
| Hollister | San Benito | 4 | 36.90 | 121 25 | 280 | 96 | 68 | 89 | 67 | 81 | 65 | 30 | 21 | 2725 |
| Hollywood | Los Angeles | 9 | 34 | 118 23 | 384 | 96 | 70 | 89 | 69 | 83 | 67 | 20 | 36 | |
| Hoopa | Humboldt | 2 | 41 | 123 40 | 360 | 100 | 67 | 92 | 66 | 87 | 64 | 25 | 23 | |
| Huntington Beach | Orange | 6 | 33.70 | 117 48 | 40 | 91 | 69 | 83 | 67 | 76 | 66 | 14 | 34 | |
| Huntington Lake | Fresno | 16 | 37.20 | 119 13 | 7020 | 80 | 55 | 77 | 54 | 73 | 51 | 25 | 3 | 7632 |
| Huntington Park | Los Angeles | 8 | 34 | 118 00 | 175 | 98 | 70 | 90 | 69 | 84 | 67 | 20 | 38 | |
| Idlewild | Del Norte | 1 | 41.90 | 124 00 | 1250 | 103 | 68 | 96 | 66 | 92 | 65 | 40 | 18 | |
| Idria | San Benito | 4 | 36.40 | 120 40 | 2650 | 97 | 66 | 92 | 65 | 87 | 62 | 27 | 24 | 3128 |
| Idyllwild | Riverside | 16 | 33.70 | 116 43 | 5397 | 93 | 62 | 89 | 61 | 84 | 60 | 35 | 9 | |
| Imperial AP | Imperial | 15 | 32.79 | 115 34 | -59 | 114 | 74 | 110 | 73 | 106 | 72 | 31 | 26 | 1060 |
| Imperial Beach | San Diego | 7 | 32.5 | 117 07 | 23 | 87 | 69 | 82 | 68 | 78 | 67 | 10 | 35 | 1839 |
| Imperial CO | Imperial | 16 | 32.90 | | -64 | 112 | 73 | 108 | 72 | 104 | 71 | 31 | 29 | 976 |
| Independence | Inyo | 16 | 36.79 | | 3950 | 104 | 61 | 101 | 60 | 97 | 60 | 31 | 12 | |
| Indio | Riverside | 15 | 33.70 | 116 15 | 11 | 115 | 75 | 112 | 75 | 107 | 74 | 30 | 24 | 1059 |
| Inglewood | Los Angeles | 8 | 33.90 | 118 00 | 105 | 92 | 68 | 85 | 67 | 80 | 65 | 15 | 37 | |
| Inyokern NAS | Kern | 14 | 35.70 | 117 49 | 2440 | 110 | 71 | 106 | 68 | 102 | 66 | 37 | 15 | 2772 |
| Iron Mtn | Shasta | 11 | 34.09 | 115 08 | 922 | 116 | 75 | 112 | 74 | 108 | 73 | 26 | 29 | 1251 |
| Irvine | Orange | 8 | 33.70 | 118 00 | 50 | 96 | 69 | 88 | 68 | 82 | 67 | 27 | 33 | |
| Isla Vista | Santa Barbara | 6 | 34.5 | | 40 | 90 | 69 | 83 | 67 | 77 | 65 | 20 | 33 | |
| Jess Valley | Modoc | 16 | 41.29 | | 5300 | 92 | 59 | 89 | 58 | 84 | 56 | 35 | -7 | 7045 |
| John Wayne AP | Orange | 7 | 33.59 | | 115 | 98 | 70 | 91 | 68 | 84 | 67 | 26 | 33 | 1496 |
| Julian Wynola | San Diego | 14 | 33.09 | 116 48 | 3650 | 96 | 66 | 91 | 64 | 87 | 62 | 39 | 20 | 4049 |
| Kentfield | Marin | 2 | 38 | 122 33 | 120 | 97 | 66 | 91 | 65 | 84 | 63 | 35 | 27 | 3009 |
| Kern River PH 1 | Kings | 13 | 35.5 | 118 47 | 970 | 106 | 72 | 103 | 71 | 99 | 69 | 26 | 30 | 1878 |
| Kern River PH 3 | Kern | 16 | 35.79 | 118 34 | 2703 | 103 | 69 | 100 | 68 | 96 | 66 | 34 | 19 | 2891 |
| Kettleman Stn | Kings | 13 | 36.09 | 120 05 | 508 | 104 | 71 | 100 | 70 | 93 | 68 | 31 | 26 | 2180 |
| King City | Monterey | 4 | 36.20 | 121 08 | 320 | 94 | 67 | 90 | 65 | 85 | 64 | 36 | 20 | 2639 |
| Klamath | Del Norte | 1 | 41.5 | 124 05 | 25 | 79 | 62 | 71 | 60 | 66 | 58 | 18 | 26 | 4509 |
| Knights Ferry | Stanislaus | 12 | 37.79 | 120 34 | 315 | 103 | 70 | 99 | 68 | 94 | 67 | 37 | 19 | |
| La Canada-Flintridge | Los Angeles | 9 | 34.20 | 118 00 | 1365 | 99 | 69 | 95 | 68 | 88 | 66 | 30 | 32 | |
| La Crescenta-Montrose | Los Angeles | 9 | 34.20 | 118 00 | 1565 | 98 | 69 | 94 | 68 | 87 | 66 | 33 | 31 | |
| La Habra | Orange | 8 | 33.90 | 118 00 | 305 | 100 | 69 | 94 | 68 | 87 | 67 | 27 | 30 | |
| La Mesa | San Diego | 7 | 32.79 | 117 01 | 530 | 94 | 70 | 88 | 69 | 84 | 67 | 23 | 34 | 1567 |
| La Mirada | Los Angeles | 9 | 33.90 | 118 00 | 115 | 99 | 70 | 91 | 69 | 85 | 68 | 26 | 31 | |
| La Palma | Orange | 8 | 33.90 | 118 00 | 75 | 98 | 69 | 92 | 68 | 85 | 67 | 25 | 31 | |
| La Puente | Los Angeles | 9 | 34 | 118 00 | 320 | 101 | 71 | 97 | 70 | 91 | 69 | 28 | 31 | |
| La Verne | Los Angeles | 9 | 34.09 | 118 00 | 1235 | 101 | 69 | 97 | 68 | 91 | 67 | 34 | 29 | |
| Lafayette | Contra Costa | 12 | 37.90 | 122 08 | 535 | 100 | 69 | 94 | 67 | 87 | 66 | 32 | 24 | |
| Laguna Beach | Orange | 6 | 33.5 | 117 47 | 35 | 91 | 69 | 83 | 68 | 76 | 66 | 18 | 30 | 2222 |

| City | County | ClimateZone | Latitude | Longitude (Degree Minute) | Elevation | Summer | | | | | | | Winter Minimum | HDD |
|------------------|----------------|-------------|----------|------------------------------|-----------|--------------|--------------|--------------|--------------|-------------|-------------|-------|----------------|------|
| | | | | | | .1% Dry Bulb | .1% Wet Bulb | .5% Dry Bulb | .5% Wet Bulb | 2% Dry Bulb | 2% Wet Bulb | Range | | |
| Lake Arrowhead | San Bernardino | 16 | 34.2 | 117 11 | 5205 | 90 | 62 | 86 | 61 | 81 | 59 | 26 | 13 | 5310 |
| Lake Spaulding | Nevada | 16 | 39.29 | 120 38 | 5156 | 89 | 58 | 86 | 57 | 83 | 55 | 34 | 3 | 6447 |
| Lakeport | Lake | 2 | 39 | 122 55 | 1347 | 97 | 67 | 93 | 66 | 88 | 63 | 41 | 20 | 3728 |
| Lakeshore | Fresno | 16 | 40.90 | | 1075 | 104 | 69 | 100 | 68 | 95 | 66 | 28 | 29 | |
| Lakeside | San Diego | 10 | 32.79 | 117 00 | 690 | 95 | 69 | 90 | 68 | 86 | 66 | 20 | 26 | |
| Lakewood | Los Angeles | 8 | 33.90 | 118 00 | 45 | 98 | 70 | 90 | 68 | 84 | 66 | 22 | 33 | |
| Lamont | Kern | 13 | 35.29 | 120 00 | 500 | 106 | 72 | 102 | 71 | 98 | 69 | 34 | 26 | |
| Lancaster | Los Angeles | 14 | 34.70 | 118 12 | 2340 | 106 | 68 | 102 | 67 | 98 | 66 | 35 | 12 | |
| Larkspur | Marin | 2 | 37.90 | 122 30 | 20 | 97 | 68 | 91 | 66 | 84 | 64 | 34 | 28 | |
| Las Plumas | Butte | 11 | 39.70 | | 506 | 104 | 71 | 101 | 70 | 96 | 68 | 32 | 24 | |
| Lava Beds | Siskiyou | 16 | 41.70 | 121 31 | 4770 | 93 | 59 | 89 | 58 | 84 | 56 | 41 | -1 | |
| Lawndale | Los Angeles | 8 | 33.90 | 118 00 | 66 | 92 | 69 | 85 | 68 | 80 | 66 | 16 | 37 | |
| Le Grand | Merced | 12 | 37.20 | 120 15 | 255 | 101 | 70 | 96 | 68 | 91 | 66 | 38 | 23 | 2696 |
| Lemon Grove | San Diego | 7 | 32.70 | 117 12 | 437 | 96 | 71 | 88 | 69 | 84 | 67 | 19 | 34 | |
| Lemoncove | Tulare | 13 | 36.40 | 119 02 | 513 | 105 | 72 | 102 | 70 | 98 | 68 | 38 | 25 | 2513 |
| Lemoore NAS | Kings | 13 | 36.29 | 119 57 | 228 | 104 | 72 | 101 | 71 | 97 | 69 | 37 | 19 | 2960 |
| Lennox | Los Angeles | 8 | 33.90 | 117 45 | 71 | 92 | 69 | 85 | 68 | 80 | 66 | 16 | 37 | |
| Lindsay | Tulare | 13 | 36.20 | 119 04 | 395 | 105 | 72 | 101 | 71 | 97 | 69 | 40 | 24 | 2634 |
| Little Panoche | Fresno | 13 | 36.79 | | 677 | 100 | 68 | 94 | 67 | 86 | 66 | 33 | 23 | |
| Livermore | Alameda | 12 | 37.70 | 121 57 | 490 | 100 | 69 | 95 | 68 | 88 | 67 | 35 | 22 | 3012 |
| Llano Shawnee | Los Angeles | 14 | 34.5 | 117 45 | 3820 | 104 | 68 | 99 | 67 | 95 | 65 | 31 | 21 | |
| Lodgepole | Lassen | 16 | 36.59 | 118 43 | 6735 | 84 | 57 | 80 | 56 | 78 | 54 | 26 | -4 | |
| Lodi | San Joaquin | 12 | 38.09 | 121 17 | 40 | 101 | 70 | 97 | 68 | 91 | 67 | 38 | 23 | 2859 |
| Loma Linda | San Bernardino | 10 | 34 | 117 30 | 1150 | 106 | 70 | 103 | 69 | 99 | 67 | 36 | 27 | |
| Lomita | Los Angeles | 6 | 33.79 | 119 00 | 56 | 95 | 69 | 87 | 68 | 81 | 66 | 18 | 33 | |
| Lompoc | Santa Barbara | 5 | 34.90 | 120 27 | 95 | 84 | 63 | 77 | 62 | 72 | 60 | 18 | 26 | 2888 |
| Long Beach AP | Los Angeles | 6 | 33.79 | 118 14 | 25 | 99 | 71 | 90 | 69 | 84 | 66 | 21 | 33 | 1606 |
| Long Beach CO | Los Angeles | 6 | 33.70 | 118 09 | 34 | 97 | 70 | 88 | 68 | 82 | 65 | 18 | 35 | |
| Los Alamitos NAS | Orange | 8 | 33.79 | 118 03 | 30 | 98 | 71 | 89 | 69 | 83 | 68 | 23 | 32 | 1740 |
| Los Altos | Santa Clara | 4 | 37.29 | 122 00 | 163 | 96 | 68 | 88 | 65 | 80 | 62 | 26 | 28 | |
| Los Angeles AP | Los Angeles | 6 | 33.90 | 118 24 | 97 | 91 | 67 | 84 | 67 | 79 | 66 | 14 | 37 | 1819 |
| Los Angeles CO | Los Angeles | 9 | 34 | 118 14 | 270 | 99 | 69 | 92 | 68 | 86 | 67 | 21 | 38 | 1245 |
| Los Banos | Merced | 12 | 37 | 120 52 | 120 | 100 | 70 | 96 | 68 | 88 | 67 | 42 | 22 | 2616 |
| Los Banos Res | Merced | 12 | 37 | 120 52 | 407 | 101 | 70 | 97 | 68 | 89 | 67 | 42 | 23 | |
| Los Gatos | Santa Clara | 4 | 37.20 | 121 58 | 365 | 98 | 69 | 90 | 67 | 82 | 66 | 32 | 26 | 2741 |
| Lucerne Valley | San Bernardino | 14 | 34.5 | 116 57 | 2957 | 105 | 67 | 101 | 66 | 98 | 64 | 38 | 12 | |
| Lynwood | Los Angeles | 8 | 33.90 | 118 00 | 88 | 98 | 70 | 90 | 69 | 83 | 67 | 21 | 32 | |
| Madera | Madera | 13 | 37 | 120 04 | 268 | 105 | 72 | 101 | 70 | 96 | 68 | 40 | 24 | 2673 |
| Manhattan Beach | Los Angeles | 6 | 33.90 | 118 00 | 120 | 91 | 69 | 84 | 68 | 79 | 66 | 12 | 38 | |
| Manteca | San Joaquin | 12 | 37.79 | 121 12 | 34 | 102 | 70 | 97 | 68 | 91 | 67 | 37 | 24 | |
| Manzanita Lake | Shasta | 16 | 40.5 | 121 34 | 5850 | 87 | 58 | 84 | 57 | 79 | 55 | 34 | -3 | 7617 |
| March AFB | Riverside | 10 | 33.90 | 117 15 | 1511 | 103 | 70 | 99 | 68 | 94 | 65 | 34 | 23 | 2089 |
| Maricopa | Kern | 13 | 35.09 | 119 23 | 675 | 106 | 71 | 102 | 70 | 98 | 68 | 29 | 25 | 2302 |
| Marina | Monterey | 3 | 36.70 | | 20 | 86 | 66 | 77 | 63 | 70 | 61 | 18 | 32 | |
| Markley Cove | | 2 | 38.5 | 122 07 | 480 | 104 | 70 | 99 | 69 | 93 | 67 | 39 | 23 | |
| Martinez FS | Contra Costa | 12 | 38 | 122 08 | 40 | 99 | 67 | 94 | 66 | 88 | 65 | 36 | 28 | |
| Marysville | Yuba | 11 | 39.20 | 121 35 | 60 | 105 | 72 | 102 | 70 | 97 | 68 | 36 | 27 | 2552 |
| Mather AFB | Sacramento | 12 | 38.59 | 121 18 | 96 | 104 | 71 | 100 | 70 | 94 | 68 | 35 | 28 | |
| Maywood | Los Angeles | 8 | 34 | 118 00 | 170 | 97 | 70 | 91 | 69 | 85 | 67 | 21 | 34 | |

| City | County | ClimateZone | Latitude | Longitude (Degree Minute) | Elevation | Summer | | | | | | | Winter Minimum | HDD |
|---------------------|-----------------|-------------|----------|------------------------------|-----------|--------------|--------------|--------------|--------------|-------------|-------------|-------|----------------|------|
| | | | | | | .1% Dry Bulb | .1% Wet Bulb | .5% Dry Bulb | .5% Wet Bulb | 2% Dry Bulb | 2% Wet Bulb | Range | | |
| McClellan AFB | Sacramento | 12 | 38.70 | 121 24 | 86 | 105 | 71 | 102 | 70 | 96 | 68 | 35 | 23 | 2566 |
| McCloud | Siskiyou | 16 | 41.25 | 122 08 | 3300 | 96 | 63 | 93 | 62 | 87 | 60 | 42 | 5 | 5990 |
| Mecca FS | Riverside | 15 | 33.55 | 116 04 | -180 | 115 | 75 | 111 | 75 | 107 | 74 | 30 | 24 | 1185 |
| Menlo Park | San Mateo | 3 | 37.40 | 122 20 | 65 | 94 | 67 | 86 | 65 | 78 | 63 | 25 | 27 | |
| Merced AP | Merced | 12 | 37.25 | 120 34 | 153 | 103 | 71 | 100 | 69 | 95 | 67 | 36 | 21 | 2653 |
| Mill Creek | Tehama | 16 | 35.05 | 117 01 | 2940 | 102 | 67 | 97 | 66 | 94 | 65 | 28 | 28 | |
| Mill Valley | Marin | 3 | 37.90 | 122 35 | 80 | 97 | 68 | 91 | 66 | 84 | 64 | 28 | 28 | 3400 |
| Millbrae | San Mateo | 3 | 37.55 | 122 21 | 10 | 90 | 66 | 82 | 63 | 74 | 61 | 24 | 30 | |
| Milpitas | Santa Clara | 4 | 37.40 | 121 54 | 15 | 94 | 68 | 87 | 65 | 79 | 63 | 27 | 27 | |
| Mineral | Tehama | 16 | 40.40 | 121 36 | 4911 | 90 | 60 | 87 | 59 | 82 | 57 | 38 | 2 | 7257 |
| Miramir AFS | San Diego | 7 | 32.90 | 117 08 | 477 | 97 | 69 | 91 | 68 | 86 | 67 | 22 | 32 | 1532 |
| Mission Viejo | Orange | 8 | 33.55 | 118 00 | 350 | 95 | 67 | 87 | 66 | 81 | 63 | 22 | 33 | |
| Mitchell Caverns | San Bernardino | 14 | 34.90 | | 4350 | 102 | 64 | 98 | 63 | 94 | 61 | 29 | 21 | |
| Modesto | Stanislaus | 12 | 37.55 | 121 00 | 91 | 102 | 73 | 99 | 70 | 95 | 68 | 36 | 25 | 2671 |
| Moffett Field NAS | Santa Clara | 4 | 37.40 | 122 03 | 39 | 89 | 68 | 84 | 66 | 78 | 64 | 23 | 30 | 2511 |
| Mojave | Kern | 14 | 35.05 | 118 11 | 2735 | 106 | 68 | 102 | 67 | 98 | 66 | 35 | 16 | 3012 |
| Mono Lake | Mono | 16 | 38 | 119 09 | 6450 | 91 | 58 | 88 | 57 | 84 | 55 | 32 | 4 | 6518 |
| Monrovia | Los Angeles | 9 | 34.20 | 118 18 | 562 | 100 | 69 | 96 | 68 | 90 | 67 | 30 | 33 | |
| Montague | Siskiyou | 16 | 41.75 | 122 28 | 2648 | 99 | 66 | 95 | 65 | 90 | 63 | 39 | 3 | 5474 |
| Montclair | San Bernardino | 10 | 34 | 117 00 | 1220 | 104 | 69 | 100 | 68 | 94 | 66 | 35 | 28 | |
| Montebello | Los Angeles | 9 | 34 | 118 06 | 205 | 98 | 69 | 93 | 68 | 86 | 67 | 24 | 33 | |
| Monterey AP | Monterey | 3 | 36.55 | 121 52 | 245 | 86 | 65 | 77 | 62 | 70 | 61 | 20 | 30 | 3556 |
| Monterey CO | Monterey | 3 | 36.55 | 121 52 | 345 | 87 | 65 | 78 | 62 | 71 | 61 | 20 | 32 | 3169 |
| Monterey Park | Los Angeles | 9 | 34 | 118 00 | 380 | 99 | 69 | 94 | 68 | 87 | 67 | 23 | 30 | |
| Monticello Dam | Solano | 2 | 38.5 | 122 07 | 505 | 105 | 71 | 100 | 70 | 94 | 68 | 39 | 26 | |
| Moraga | Contra Costa | 12 | 37.75 | 122 10 | 600 | 99 | 68 | 93 | 66 | 86 | 64 | 27 | 21 | |
| Morgan Hill | Santa Clara | 4 | 37.05 | 120 00 | 350 | 100 | 69 | 92 | 68 | 85 | 66 | 25 | 26 | |
| Morro Bay FD | San Luis Obispo | 5 | 35.40 | 120 51 | 115 | 88 | 65 | 82 | 64 | 76 | 62 | 14 | 31 | |
| Mount Baldy Notch | San Bernardino | 16 | 34.25 | 117 37 | 7735 | 80 | 58 | 76 | 57 | 71 | 54 | 32 | 4 | |
| Mount Diablo | Contra Costa | 12 | 37.90 | 121 55 | 2100 | 101 | 68 | 96 | 66 | 87 | 65 | 28 | 27 | 4600 |
| Mount Hamilton | Santa Clara | 4 | 37.25 | 121 39 | 4206 | 95 | 59 | 88 | 58 | 81 | 56 | 18 | 18 | 4724 |
| Mount Hebron RS | Siskiyou | 16 | 41.75 | 122 01 | 4250 | 92 | 60 | 88 | 59 | 82 | 57 | 42 | -10 | |
| Mount San Jacinto | Riverside | 16 | 33.75 | 116 38 | 8417 | 82 | 56 | 77 | 55 | 73 | 53 | 35 | -1 | |
| Mount Shasta | Siskiyou | 16 | 41.25 | 122 19 | 3535 | 93 | 62 | 89 | 61 | 84 | 59 | 34 | 8 | 5890 |
| Mount Wilson | Los Angeles | 16 | 34.20 | 118 04 | 5709 | 90 | 63 | 85 | 61 | 79 | 58 | 21 | 15 | 4296 |
| Mountain Pass | San Bernardino | 14 | 35.5 | 115 32 | 4730 | 100 | 65 | 96 | 64 | 92 | 63 | 29 | 11 | |
| Mountain View | Santa Clara | 4 | 37.5 | 121 54 | 95 | 93 | 67 | 85 | 64 | 77 | 62 | 25 | 28 | |
| Nacimiento Dam | San Luis Obispo | 4 | 35.75 | 120 53 | 770 | 100 | 68 | 94 | 66 | 88 | 64 | 35 | 22 | |
| Napa State Hospital | Napa | 2 | 37.25 | 122 16 | 60 | 94 | 67 | 91 | 67 | 86 | 66 | 29 | 26 | 2749 |
| National City | San Diego | 7 | 32.70 | 117 00 | 34 | 87 | 70 | 82 | 68 | 78 | 66 | 10 | 36 | |
| Needles AP | San Bernardino | 15 | 34.75 | 114 37 | 913 | 117 | 73 | 114 | 72 | 110 | 71 | 26 | 27 | 1391 |
| Nevada City | Nevada | 11 | 39.25 | 121 01 | 2600 | 97 | 66 | 94 | 64 | 88 | 63 | 41 | 14 | 4900 |
| Newark | Alameda | 3 | 37.5 | 122 02 | 10 | 94 | 68 | 89 | 67 | 82 | 65 | 24 | 29 | |
| Newhall Soledad | Los Angeles | 9 | 34.40 | 118 33 | 1243 | 104 | 70 | 100 | 68 | 95 | 67 | 42 | 27 | |
| Newman | Stanislaus | 12 | 37.25 | 121 03 | 90 | 104 | 71 | 99 | 69 | 93 | 67 | 38 | 22 | |
| Newport Beach | Orange | 6 | 33.55 | 117 53 | 10 | 87 | 68 | 80 | 66 | 72 | 65 | 12 | 34 | 1952 |
| Norco | Riverside | 10 | 33.90 | 117 00 | 700 | 103 | 70 | 99 | 69 | 94 | 67 | 34 | 27 | |
| North Fork RS | Madera | 16 | 37.20 | 119 30 | 2630 | 98 | 66 | 95 | 65 | 92 | 62 | 36 | 15 | |
| North Highlands | Sacramento | 12 | 38.55 | 121 25 | 45 | 104 | 71 | 100 | 69 | 94 | 67 | 35 | 23 | 2566 |

| City | County | ClimateZone | Latitude | Longitude (Degree Minute) | Elevation | Summer | | | | | | | Winter Minimum | HDD |
|---------------------|-----------------|-------------|----------|------------------------------|-----------|--------------|--------------|--------------|--------------|-------------|-------------|-------|----------------|------|
| | | | | | | .1% Dry Bulb | .1% Wet Bulb | .5% Dry Bulb | .5% Wet Bulb | 2% Dry Bulb | 2% Wet Bulb | Range | | |
| North Hollywood | Los Angeles | 9 | 34.20 | 118 23 | 619 | 102 | 70 | 97 | 69 | 91 | 67 | 31 | 28 | |
| Norwalk | Los Angeles | 8 | 33.9 | | 97 | 99 | 69 | 90 | 68 | 84 | 67 | 26 | 31 | |
| Novato | Marin | 2 | 38.09 | 122 31 | 370 | 94 | 64 | 87 | 63 | 80 | 61 | 30 | 25 | |
| Oakdale | Stanislaus | 12 | 37.79 | 120 52 | 215 | 102 | 71 | 99 | 69 | 93 | 67 | 37 | 22 | |
| Oakland AP | Alameda | 3 | 37.70 | 122 12 | 6 | 91 | 66 | 84 | 64 | 77 | 62 | 20 | 32 | 2909 |
| Oakland Museum | Alameda | 3 | 37.79 | 122 10 | 30 | 96 | 68 | 89 | 66 | 82 | 63 | 20 | 31 | |
| Oceanside | San Diego | 7 | 33.20 | 117 24 | 10 | 84 | 69 | 80 | 67 | 74 | 65 | 10 | 33 | |
| Oildale | Kern | 13 | 35.5 | 119 00 | 450 | 106 | 71 | 102 | 70 | 98 | 68 | 34 | 26 | |
| Ojai | Ventura | 9 | 34.5 | 119 15 | 750 | 102 | 71 | 97 | 69 | 91 | 68 | 38 | 25 | 2145 |
| Ontario AP | San Bernardino | 10 | 34 | 117 00 | 934 | 105 | 70 | 101 | 69 | 95 | 66 | 34 | 26 | 1710 |
| Orange | Orange | 8 | 33.59 | 118 00 | 194 | 99 | 70 | 92 | 68 | 85 | 67 | 27 | 33 | |
| Orange Cove | Fresno | 13 | 36.59 | 119 18 | 431 | 104 | 71 | 100 | 69 | 97 | 68 | 38 | 25 | 2684 |
| Orangevale | Sacramento | 12 | 38.70 | 121 12 | 140 | 105 | 72 | 102 | 70 | 96 | 68 | 36 | 24 | |
| Orick Prairie Creek | Humboldt | 1 | 41.40 | 124 01 | 161 | 80 | 61 | 75 | 60 | 70 | 59 | 23 | 25 | 4816 |
| Orinda | Contra Costa | 12 | 37.90 | 122 10 | 550 | 99 | 68 | 93 | 66 | 86 | 64 | 32 | 21 | |
| Orland | Glenn | 11 | 39.79 | 122 12 | 254 | 105 | 71 | 102 | 70 | 97 | 68 | 36 | 22 | 2824 |
| Orleans | Humboldt | 2 | 41.29 | 123 32 | 403 | 104 | 70 | 97 | 68 | 91 | 66 | 42 | 21 | 3628 |
| Oroville RS | Butte | 11 | 39.5 | 121 33 | 300 | 106 | 71 | 104 | 70 | 98 | 69 | 37 | 25 | |
| Otay-Castle Pk | San Diego | 7 | 32.59 | 117 00 | 500 | 87 | 68 | 81 | 66 | 74 | 63 | 10 | 33 | |
| Oxnard AFB | Ventura | 6 | 34.20 | 119 11 | 49 | 94 | 69 | 86 | 68 | 79 | 67 | 21 | 30 | 2068 |
| Pacific Grove | Monterey | 3 | 36.70 | 122 00 | 114 | 87 | 66 | 78 | 63 | 71 | 61 | 19 | 31 | |
| Pacifica | San Mateo | 3 | 37.59 | 122 00 | 13 | 87 | 65 | 79 | 62 | 71 | 60 | 16 | 31 | |
| Palm Desert | Riverside | 15 | 33.70 | 116 30 | 200 | 116 | 74 | 112 | 73 | 108 | 72 | 34 | 26 | |
| Palm Springs | Riverside | 15 | 33.79 | 116 32 | 411 | 117 | 74 | 113 | 73 | 109 | 72 | 35 | 26 | 1109 |
| Palmdale AP | Los Angeles | 14 | 34.59 | 118 06 | 2517 | 107 | 67 | 103 | 67 | 98 | 64 | 33 | 12 | 2929 |
| Palmdale CO | Los Angeles | 14 | 34.59 | 118 06 | 2596 | 106 | 67 | 102 | 67 | 97 | 64 | 35 | 13 | 2908 |
| Palo Alto | Santa Clara | 4 | 37.5 | 122 08 | 25 | 93 | 66 | 85 | 64 | 77 | 62 | 25 | 26 | 2891 |
| Palomar Obsy | San Diego | 14 | 33.40 | 116 52 | 5545 | 90 | 62 | 85 | 61 | 80 | 59 | 22 | 16 | 4141 |
| Palos Verdes | Los Angeles | 6 | 33.79 | 119 00 | 216 | 92 | 69 | 84 | 68 | 78 | 66 | 14 | 38 | |
| Paradise | Butte | 11 | 39.79 | 121 36 | 1750 | 102 | 69 | 99 | 67 | 94 | 66 | 34 | 25 | |
| Paramount | Los Angeles | 8 | 33.90 | 117 00 | 70 | 98 | 70 | 90 | 69 | 84 | 67 | 22 | 32 | |
| Parker Res | San Bernardino | 15 | 34.29 | 114 10 | 738 | 115 | 74 | 112 | 73 | 108 | 72 | 26 | 32 | 1223 |
| Pasadena | Los Angeles | 9 | 34.20 | 118 09 | 864 | 99 | 69 | 94 | 68 | 88 | 67 | 30 | 32 | 1551 |
| Paso Robles AP | San Luis Obispo | 4 | 35.70 | 120 41 | 815 | 104 | 66 | 97 | 66 | 92 | 65 | 40 | 19 | 2973 |
| Paso Robles CO | San Luis Obispo | 4 | 35.59 | 120 41 | 700 | 102 | 65 | 95 | 65 | 90 | 65 | 44 | 16 | 2885 |
| Pendleton MCB | San Diego | 7 | 33.29 | 117 18 | 63 | 92 | 68 | 87 | 67 | 81 | 66 | 22 | 34 | 1532 |
| Pendleton MCB Coast | San Diego | 7 | 33.20 | 117 24 | 24 | 84 | 69 | 80 | 67 | 75 | 65 | 10 | 39 | 1782 |
| Perris | Riverside | 10 | 33.79 | 117 13 | 1470 | 105 | 70 | 101 | 69 | 97 | 68 | 39 | 22 | |
| Petaluma FS 2 | Sonoma | 2 | 38.20 | 122 38 | 16 | 98 | 69 | 92 | 67 | 85 | 66 | 31 | 24 | 2959 |
| Pico Rivera | Los Angeles | 9 | 34 | 118 00 | 180 | 98 | 70 | 91 | 69 | 85 | 67 | 24 | 31 | |
| Piedmont | Alameda | 3 | 37.79 | 122 00 | 325 | 96 | 68 | 89 | 66 | 82 | 63 | 23 | 31 | |
| Pinnacles NM | San Bernardino | 14 | 36.5 | 121 11 | 1307 | 98 | 68 | 94 | 67 | 89 | 64 | 45 | 20 | 2956 |
| Pinole | Contra Costa | 3 | 38 | 122 18 | 10 | 91 | 66 | 87 | 65 | 82 | 64 | 25 | 30 | |
| Pismo Beach | San Luis Obispo | 5 | 35.09 | 120 37 | 80 | 92 | 66 | 85 | 64 | 80 | 62 | 16 | 30 | 2756 |
| Pittsburg | Contra Costa | 12 | 38 | 121 48 | 50 | 102 | 70 | 97 | 68 | 90 | 67 | 34 | 26 | |
| Placentia | Orange | 8 | 33.90 | 118 00 | 323 | 101 | 69 | 93 | 68 | 87 | 67 | 28 | 30 | |
| Placerville | El Dorado | 12 | 38.70 | 120 48 | 1890 | 101 | 67 | 98 | 66 | 93 | 65 | 42 | 20 | 4086 |
| Placerville IFG | El Dorado | 12 | 38.70 | 120 48 | 2755 | 100 | 66 | 97 | 65 | 92 | 64 | 42 | 23 | |
| Platina | Shasta | 11 | 40.40 | 122 53 | 2260 | 96 | 65 | 92 | 64 | 87 | 61 | 36 | 13 | |

| City | County | ClimateZone | Latitude | Longitude (Degree Minute) | Elevation | Summer | | | | | | | Winter Minimum | HDD |
|-----------------------|------------------|-------------|----------|------------------------------|-----------|--------------|--------------|--------------|--------------|-------------|-------------|-------|----------------|------|
| | | | | | | .1% Dry Bulb | .1% Wet Bulb | .5% Dry Bulb | .5% Wet Bulb | 2% Dry Bulb | 2% Wet Bulb | Range | | |
| Pleasant Hill | Contra Costa | 12 | 37.90 | 122 00 | 102 | 96 | 68 | 93 | 67 | 88 | 65 | 34 | 25 | |
| Pleasanton | Alameda | 12 | 37.50 | 121 47 | 350 | 97 | 68 | 94 | 67 | 89 | 65 | 35 | 24 | |
| Point Arena | Mendocino | 1 | 38.90 | 123 44 | 100 | 76 | 62 | 72 | 60 | 67 | 58 | 19 | 29 | 4747 |
| Point Arguello | Santa Barbara | 5 | 34.50 | 120 40 | 76 | 75 | 64 | 71 | 63 | 65 | 59 | 17 | 29 | 3826 |
| Point Mugu | Ventura | 6 | 34.00 | 119 07 | 14 | 88 | 68 | 81 | 67 | 75 | 66 | 15 | 33 | 2328 |
| Point Piedras Blancas | San Luis Obispo | 5 | 35.70 | 121 17 | 59 | 73 | 60 | 67 | 59 | 61 | 57 | 10 | 36 | 3841 |
| Pomona Cal Poly | Los Angeles | 9 | 34.00 | 117 49 | 740 | 102 | 70 | 98 | 69 | 93 | 67 | 36 | 27 | 1971 |
| Port Chicago ND | Contra Costa | 12 | 38 | 122 01 | 50 | 98 | 69 | 94 | 68 | 88 | 66 | 34 | 28 | |
| Port Hueneme | Ventura | 6 | 34.20 | 119 00 | 13 | 88 | 68 | 81 | 67 | 75 | 66 | 15 | 33 | 2334 |
| Porterville | Tulare | 13 | 36.00 | 119 01 | 393 | 106 | 71 | 102 | 70 | 97 | 69 | 36 | 25 | 2456 |
| Portola | Plumas | 16 | 39.70 | 120 28 | 4850 | 92 | 63 | 89 | 61 | 84 | 59 | 48 | -9 | 7111 |
| Posey 3 E | Tulare | 13 | 35.70 | 119 00 | 4960 | 89 | 62 | 86 | 61 | 82 | 59 | 26 | 9 | |
| Potter Valley PH | Mendocino | 2 | 39.40 | 123 08 | 1015 | 101 | 68 | 96 | 67 | 89 | 65 | 40 | 20 | 3276 |
| Poway Valley | San Diego | 10 | 33 | 117 00 | 500 | 100 | 70 | 94 | 69 | 89 | 68 | 26 | 29 | |
| Priest Valley | Monterey | 4 | 36.20 | 120 42 | 2300 | 97 | 66 | 93 | 65 | 88 | 63 | 34 | 13 | 4144 |
| Quincy | Plumas | 16 | 39.90 | 120 56 | 3409 | 101 | 64 | 98 | 63 | 93 | 62 | 45 | 1 | 5763 |
| Ramona Spaulding | San Diego | 10 | 33.00 | 116 49 | 1480 | 103 | 70 | 97 | 69 | 92 | 68 | 40 | 22 | |
| Rancho Cordova | Sacramento | 12 | 38.50 | 121 18 | 190 | 104 | 72 | 100 | 69 | 94 | 68 | 35 | 26 | |
| Rancho Palos Verdes | Los Angeles | 6 | 33.70 | 118 10 | 216 | 92 | 69 | 84 | 68 | 78 | 66 | 14 | 38 | |
| Randsburg | Kern | 14 | 35.20 | 117 39 | 3570 | 105 | 67 | 102 | 66 | 97 | 65 | 30 | 19 | 2922 |
| Red Bluff AP | Tehama | 11 | 40.20 | 122 15 | 342 | 107 | 70 | 104 | 69 | 98 | 66 | 31 | 24 | 2688 |
| Redding FS 4 | Shasta | 11 | 40.50 | 122 24 | 470 | 107 | 69 | 103 | 68 | 97 | 67 | 30 | 26 | 2544 |
| Redlands | San Bernardino | 10 | 34.00 | 117 11 | 1318 | 106 | 70 | 102 | 69 | 98 | 67 | 34 | 27 | 1993 |
| Redondo Beach | Los Angeles | 6 | 33.70 | 118 19 | 45 | 92 | 69 | 84 | 68 | 78 | 66 | 12 | 37 | |
| Redwood City | San Mateo | 3 | 37.50 | 122 14 | 31 | 90 | 67 | 86 | 66 | 81 | 64 | 28 | 28 | 2599 |
| Reedley | Fresno | 13 | 36.50 | 119 42 | 344 | 104 | 71 | 101 | 70 | 96 | 68 | 40 | 24 | |
| Rialto | San Bernardino | 10 | 34.00 | 117 00 | 1254 | 105 | 70 | 101 | 69 | 96 | 66 | 35 | 28 | |
| Richardson Grove | Humboldt | 2 | 40 | 123 47 | 500 | 96 | 67 | 92 | 66 | 87 | 64 | 28 | 25 | |
| Richmond | Contra Costa | 3 | 37.90 | 121 36 | 55 | 88 | 65 | 84 | 64 | 77 | 62 | 17 | 31 | 2684 |
| Ridgecrest | Kern | 14 | 35.50 | 117 48 | 2340 | 110 | 70 | 106 | 68 | 102 | 66 | 35 | 15 | |
| Riverside Exp Sta | Riverside | 10 | 34 | 117 23 | 986 | 106 | 71 | 102 | 69 | 97 | 67 | 36 | 29 | |
| Riverside FS 3 | Riverside | 10 | 34 | 117 23 | 840 | 104 | 70 | 100 | 69 | 95 | 65 | 37 | 27 | 1818 |
| Rocklin | Placer | 11 | 38.70 | 121 14 | 239 | 108 | 72 | 104 | 70 | 99 | 69 | 39 | 20 | 3143 |
| Rohnert Park | Sonoma | 2 | 38.40 | 122 33 | 106 | 99 | 69 | 96 | 68 | 92 | 66 | 33 | 24 | |
| Rolling Hills | Los Angeles | 6 | 33.50 | 119 00 | 216 | 92 | 69 | 84 | 68 | 78 | 66 | 15 | 38 | |
| Rosemead | Los Angeles | 9 | 34 | 118 00 | 275 | 98 | 70 | 90 | 69 | 84 | 67 | 27 | 30 | |
| Roseville | Placer | 11 | 38.70 | 121 13 | 160 | 105 | 71 | 102 | 70 | 96 | 68 | 36 | 24 | |
| Rossmoor | Orange | 8 | 33.70 | | 20 | 92 | 67 | 85 | 64 | 79 | 62 | 19 | 32 | |
| Rowland Hts | Los Angeles | 9 | 33.90 | 118 00 | 540 | 99 | 70 | 93 | 69 | 86 | 68 | 27 | 29 | |
| Rubidoux | Riverside | 10 | 34 | 117 00 | 792 | 106 | 71 | 102 | 70 | 97 | 68 | 36 | 27 | |
| Sacramento AP | Sacramento | 12 | 38.50 | 121 30 | 17 | 104 | 72 | 100 | 70 | 94 | 68 | 35 | 26 | 2843 |
| Sacramento CO | Sacramento | 12 | 38.50 | 121 30 | 84 | 104 | 71 | 100 | 70 | 94 | 68 | 32 | 30 | |
| Saint Helena | Napa | 2 | 38.50 | 122 28 | 225 | 102 | 70 | 98 | 69 | 93 | 67 | 40 | 22 | 2878 |
| Saint Mary's College | Contra Costa | 12 | 37.70 | 122 07 | 623 | 98 | 69 | 93 | 68 | 86 | 66 | 28 | 21 | 3543 |
| Salinas 3 E | Monterey | 3 | 36.70 | 121 36 | 85 | 86 | 66 | 83 | 65 | 79 | 62 | 20 | 26 | |
| Salinas AP | Monterey | 3 | 36.70 | 121 36 | 69 | 85 | 67 | 82 | 65 | 78 | 62 | 20 | 28 | 2959 |
| Salt Springs PH | Amador/Calaveras | 16 | 38.50 | 120 13 | 3700 | 95 | 62 | 92 | 61 | 87 | 59 | 27 | 19 | 3857 |
| Salyer RS | Trinity | 16 | 40.90 | 123 34 | 623 | 102 | 69 | 95 | 67 | 87 | 64 | 33 | 22 | |
| San Anselmo | Marin | 2 | 38 | 122 00 | 50 | 95 | 67 | 89 | 66 | 82 | 65 | 32 | 26 | |

| City | County | ClimateZone | Latitude | Longitude (Degree Minute) | Elevation | Summer | | | | | | | Winter Minimum | HDD |
|---------------------|-----------------|-------------|----------|------------------------------|-----------|--------------|--------------|--------------|--------------|-------------|-------------|-------|----------------|------|
| | | | | | | .1% Dry Bulb | .1% Wet Bulb | .5% Dry Bulb | .5% Wet Bulb | 2% Dry Bulb | 2% Wet Bulb | Range | | |
| San Antonio Canyon | Los Angeles | 16 | 34.20 | 117 40 | 2394 | 100 | 68 | 96 | 67 | 90 | 65 | 33 | 29 | |
| San Antonio Mission | Monterey | 4 | 36 | 117 40 | 1060 | 99 | 69 | 94 | 68 | 88 | 67 | 28 | 19 | |
| San Bernardino | San Bernardino | 10 | 34.3 | 117 19 | 1125 | 106 | 70 | 102 | 69 | 98 | 68 | 39 | 27 | 1777 |
| San Bruno | San Mateo | 3 | 37.7 | 122 25 | 20 | 86 | 66 | 80 | 64 | 73 | 62 | 23 | 30 | 3042 |
| San Carlos | San Mateo | 3 | 37.5 | | 26 | 92 | 67 | 88 | 65 | 82 | 63 | 28 | 28 | |
| San Clemente | Orange | 6 | 33.40 | 118 35 | 208 | 91 | 68 | 85 | 67 | 80 | 66 | 12 | 31 | |
| San Diego AP | San Diego | 7 | 32.70 | 117 10 | 13 | 88 | 70 | 83 | 69 | 78 | 68 | 13 | 38 | 1507 |
| San Dimas | Los Angeles | 9 | 34 | | 955 | 102 | 70 | 98 | 69 | 92 | 67 | 35 | 30 | |
| San Fernando | Los Angeles | 9 | 34.29 | 118 28 | 977 | 104 | 71 | 99 | 70 | 94 | 68 | 37 | 30 | 1800 |
| San Francisco AP | San Francisco | 3 | 37.59 | 122 23 | 8 | 89 | 66 | 83 | 64 | 74 | 61 | 20 | 31 | 3042 |
| San Francisco CO | San Francisco | 3 | 37.79 | 122 25 | 52 | 84 | 65 | 79 | 63 | 71 | 60 | 14 | 38 | 3080 |
| San Gabriel FD | Los Angeles | 9 | 34.09 | 118 06 | 450 | 99 | 70 | 94 | 69 | 88 | 68 | 30 | 30 | 1532 |
| San Gregorio 2 SE | San Mateo | 3 | 37.29 | | 275 | 87 | 66 | 81 | 63 | 74 | 61 | 30 | 27 | |
| San Jacinto | Riverside | 10 | 33.79 | 116 58 | 1535 | 110 | 70 | 105 | 69 | 102 | 68 | 41 | 20 | 2376 |
| San Jose | Santa Clara | 4 | 37.40 | 121 56 | 67 | 94 | 68 | 86 | 66 | 78 | 64 | 26 | 29 | 2438 |
| San Leandro | Alameda | 3 | 37.70 | | 45 | 89 | 67 | 83 | 64 | 76 | 62 | 22 | 28 | |
| San Lorenzo | Alameda | 3 | 37.70 | | 45 | 89 | 67 | 83 | 64 | 76 | 62 | 23 | 28 | |
| San Luis Dam | Merced | 12 | 37.09 | | 277 | 97 | 68 | 91 | 66 | 86 | 64 | 32 | 25 | |
| San Luis Obispo | San Luis Obispo | 5 | 35.29 | 120 43 | 320 | 94 | 63 | 87 | 63 | 81 | 62 | 26 | 30 | 2498 |
| San Marino | Los Angeles | 9 | 34.20 | | 300 | 100 | 69 | 95 | 68 | 88 | 66 | 28 | 30 | |
| San Mateo | San Mateo | 3 | 37.5 | 122 18 | 21 | 92 | 67 | 84 | 65 | 76 | 63 | 24 | 31 | 2655 |
| San Nicholas Island | Ventura | 6 | 33.20 | 119 28 | 504 | 85 | 66 | 78 | 65 | 70 | 64 | 11 | 39 | 2454 |
| San Pablo | Contra Costa | 3 | 37.59 | | 30 | 90 | 65 | 84 | 63 | 77 | 61 | 17 | 29 | |
| San Pedro | Los Angeles | 6 | 33.70 | 118 16 | 10 | 92 | 69 | 84 | 68 | 78 | 66 | 13 | 35 | 1819 |
| San Rafael | Marin | 2 | 38 | 122 33 | 40 | 96 | 67 | 90 | 65 | 83 | 63 | 29 | 30 | 2440 |
| Sandberg | Los Angeles | 16 | 34.79 | 118 44 | 4517 | 95 | 63 | 91 | 61 | 87 | 59 | 32 | 17 | 4427 |
| Sanger | Fresno | 13 | 36.70 | | 364 | 105 | 72 | 101 | 70 | 96 | 68 | 37 | 24 | |
| Santa Ana FS | Orange | 8 | 33.79 | 117 50 | 115 | 98 | 70 | 91 | 68 | 84 | 67 | 26 | 33 | 1430 |
| Santa Barbara AP | Santa Barbara | 6 | 34.40 | 119 50 | 9 | 90 | 69 | 83 | 67 | 77 | 65 | 20 | 29 | 2487 |
| Santa Barbara CO | Santa Barbara | 6 | 34.40 | 119 41 | 5 | 91 | 69 | 84 | 67 | 78 | 65 | 22 | 33 | 1994 |
| Santa Clara Univ | Santa Clara | 4 | 37.40 | 121 56 | 88 | 90 | 67 | 87 | 65 | 82 | 63 | 30 | 29 | 2566 |
| Santa Cruz | Santa Cruz | 3 | 37 | 122 01 | 125 | 94 | 68 | 88 | 66 | 81 | 64 | 28 | 27 | 3136 |
| Santa Fe Springs | Los Angeles | 9 | 33.90 | | 280 | 99 | 69 | 90 | 68 | 84 | 67 | 24 | 31 | |
| Santa Maria AP | Santa Barbara | 5 | 34.90 | 120 27 | 236 | 90 | 66 | 83 | 64 | 78 | 61 | 23 | 25 | 3053 |
| Santa Monica | Los Angeles | 6 | 34 | 118 30 | 15 | 85 | 67 | 78 | 66 | 72 | 64 | 15 | 39 | 1873 |
| Santa Paula | Ventura | 9 | 34.40 | | 263 | 101 | 71 | 94 | 70 | 87 | 68 | 28 | 28 | 2030 |
| Santa Rosa | Sonoma | 2 | 38.5 | 122 49 | 167 | 99 | 69 | 96 | 68 | 92 | 66 | 35 | 24 | 2980 |
| Santee | San Diego | 10 | 32.79 | | 400 | 96 | 69 | 91 | 68 | 87 | 67 | 20 | 25 | |
| Saratoga | Santa Clara | 4 | 37.29 | | 500 | 96 | 67 | 88 | 66 | 80 | 65 | 31 | 27 | |
| Sausalito | Sonoma | 3 | 37.90 | | 10 | 85 | 66 | 80 | 65 | 73 | 63 | 12 | 30 | |
| Sawyer's Bar RS | Siskiyou | 16 | 41.29 | | 2169 | 100 | 66 | 95 | 65 | 88 | 62 | 38 | 14 | 4102 |
| Scotia | Humboldt | 1 | 40.5 | 124 22 | 139 | 78 | 61 | 74 | 60 | 69 | 58 | 19 | 28 | 3954 |
| Seal Beach | Orange | 6 | 33.79 | 118 05 | 21 | 94 | 69 | 86 | 68 | 80 | 65 | 15 | 35 | 1519 |
| Seaside | Monterey | 4 | 36.59 | | 17 | 85 | 66 | 79 | 64 | 73 | 62 | 20 | 30 | |
| Selma | Fresno | 13 | 36.59 | | 305 | 104 | 73 | 101 | 71 | 97 | 68 | 38 | 24 | |
| Shafter | Kern | 13 | 35.5 | 119 10 | 345 | 106 | 71 | 102 | 70 | 98 | 68 | 28 | 24 | 2185 |
| Shasta Dam | Shasta | 16 | 40.70 | | 1076 | 105 | 69 | 101 | 68 | 95 | 67 | 27 | 29 | 2943 |
| Shelter Cove | Humboldt | 1 | 40 | 124 04 | 110 | 80 | 61 | 73 | 60 | 68 | 57 | 15 | 34 | |
| Sierra City | Sierra | 16 | 39.59 | 120 07 | 4230 | 96 | 62 | 93 | 61 | 89 | 59 | 43 | 12 | |

| City | County | ClimateZone | Latitude | Longitude (Degree Minute) | Elevation | Summer | | | | | | | Winter Minimum | HDD |
|---------------------|----------------|-------------|----------|------------------------------|-----------|--------------|--------------|--------------|--------------|-------------|-------------|-------|----------------|------|
| | | | | | | .1% Dry Bulb | .1% Wet Bulb | .5% Dry Bulb | .5% Wet Bulb | 2% Dry Bulb | 2% Wet Bulb | Range | | |
| Sierra Madre | Los Angeles | 9 | 34.20 | | 1153 | 102 | 69 | 96 | 68 | 90 | 67 | 27 | 32 | |
| Sierraville RS | Sierra | 16 | 39.59 | 120 22 | 4975 | 94 | 60 | 91 | 59 | 86 | 57 | 44 | -10 | 6893 |
| Signal Hill | Los Angeles | 6 | 33.5 | | 100 | 99 | 70 | 90 | 69 | 84 | 66 | 19 | 35 | |
| Simi Valley | Ventura | 9 | 34.40 | | 500 | 98 | 70 | 93 | 68 | 87 | 66 | 30 | 28 | |
| Sonoma | Sonoma | 2 | 38.29 | | 70 | 101 | 70 | 96 | 69 | 90 | 67 | 40 | 22 | 2998 |
| Sonora RS | Tuolumne | 12 | 38 | 120 23 | 1749 | 103 | 68 | 100 | 67 | 95 | 66 | 34 | 20 | 3537 |
| South El Monte | Los Angeles | 9 | 34 | | 270 | 101 | 72 | 97 | 70 | 91 | 68 | 28 | 31 | |
| South Entr Yosemite | Tuolumne | 16 | 37.5 | 119 38 | 5120 | 92 | 61 | 88 | 60 | 84 | 59 | 36 | 8 | 5789 |
| South Gate | Los Angeles | 8 | 33.90 | | 120 | 97 | 70 | 90 | 69 | 84 | 67 | 21 | 32 | |
| South Lake Tahoe | El Dorado | 16 | 38.90 | | 6200 | 85 | 56 | 82 | 55 | 71 | 54 | 33 | -2 | |
| South Pasadena | Los Angeles | 9 | 34 | | 657 | 99 | 69 | 94 | 68 | 88 | 67 | 30 | 31 | |
| South San Francisco | San Mateo | 3 | 37.70 | | 10 | 87 | 67 | 81 | 64 | 72 | 62 | 20 | 32 | |
| South Whittier | Los Angeles | 9 | 33.90 | | 300 | 100 | 70 | 92 | 69 | 84 | 68 | 30 | 31 | |
| Spring Valley | San Diego | 10 | 32.70 | | 300 | 94 | 69 | 86 | 68 | 82 | 66 | 30 | 34 | |
| Squaw Valley | Placer | 16 | 39.20 | | 6235 | 88 | 57 | 85 | 56 | 80 | 54 | 40 | -10 | |
| Squirrel Inn | San Bernardino | 14 | 34.20 | 117 14 | 5680 | 86 | 61 | 82 | 60 | 77 | 58 | 23 | 12 | 5175 |
| Stanton | Orange | 8 | 33.59 | | 45 | 98 | 69 | 91 | 68 | 84 | 67 | 24 | 31 | |
| Stockton AP | San Joaquin | 12 | 37.90 | 121 15 | 22 | 103 | 71 | 98 | 69 | 93 | 67 | 35 | 24 | 2806 |
| Stockton FS 4 | San Joaquin | 12 | 38 | 121 19 | 12 | 101 | 70 | 96 | 68 | 91 | 67 | 37 | 24 | 2846 |
| Stony Gorge Res | Glenn | 11 | 39.59 | 122 32 | 791 | 104 | 70 | 99 | 69 | 93 | 67 | 37 | 21 | 3149 |
| Strawberry Valley | Tuolumne | 16 | 39.59 | | 3808 | 96 | 63 | 93 | 62 | 88 | 60 | 32 | 14 | 5120 |
| Sunland | Los Angeles | 9 | 34.29 | | 1460 | 107 | 71 | 102 | 70 | 96 | 68 | 36 | 28 | |
| Sunnyvale | Santa Clara | 4 | 37.29 | 122 02 | 97 | 96 | 68 | 88 | 66 | 80 | 64 | 26 | 29 | 2511 |
| Susanville AP | Lassen | 16 | 40.40 | 120 34 | 4148 | 98 | 62 | 95 | 61 | 90 | 59 | 38 | -1 | 6233 |
| Tahoe City | Placer | 16 | 39.20 | 120 08 | 6230 | 84 | 56 | 81 | 55 | 76 | 53 | 36 | 2 | 8085 |
| Tahoe Valley AP | Placer | 16 | 38.90 | | 6254 | 85 | 56 | 82 | 55 | 77 | 53 | 38 | -5 | |
| Tehachapi | Kern | 16 | 35.09 | | 3975 | 97 | 66 | 93 | 65 | 89 | 64 | 33 | 13 | 4494 |
| Tejon Rancho | Los Angeles | 16 | 35 | 118 45 | 1425 | 107 | 71 | 103 | 70 | 99 | 68 | 27 | 24 | 2602 |
| Temple City | Los Angeles | 9 | 34.09 | | 403 | 101 | 70 | 95 | 69 | 89 | 68 | 27 | 30 | |
| Terro | Los Angeles | 16 | 40.90 | | 5300 | 95 | 60 | 92 | 59 | 87 | 57 | 37 | -17 | |
| Thermal AP | Riverside | 15 | 33.59 | | -112 | 114 | 74 | 110 | 74 | 106 | 74 | 29 | 26 | 1154 |
| Thousand Oaks | Ventura | 9 | 34.20 | | 810 | 98 | 69 | 93 | 68 | 88 | 67 | 30 | 27 | |
| Three Rivers PH 1 | Tulare | 13 | 36.5 | | 1140 | 105 | 70 | 102 | 69 | 98 | 67 | 38 | 24 | 2642 |
| Tiburon | Marin | 3 | 37.90 | | 90 | 85 | 66 | 80 | 65 | 73 | 63 | 12 | 30 | |
| Tiger Creek PH | Amador | 12 | 38.5 | 120 29 | 2355 | 100 | 66 | 96 | 55 | 92 | 63 | 36 | 20 | 3795 |
| Torrance | Los Angeles | 6 | 33.79 | 118 20 | 110 | 93 | 69 | 86 | 68 | 80 | 66 | 18 | 32 | 1859 |
| Tracy Carbona | San Joaquin | 12 | 37.70 | | 140 | 102 | 70 | 97 | 68 | 90 | 67 | 38 | 24 | 2704 |
| Tracy Pumps | San Joaquin | 12 | 37.79 | | 61 | 104 | 71 | 99 | 69 | 92 | 68 | 39 | 23 | |
| Travis AFB | Sonoma | 12 | 38.29 | 121 56 | 72 | 103 | 71 | 98 | 69 | 91 | 66 | 35 | 24 | 2725 |
| Trinity Dam | Trinity | 16 | 40.79 | | 2500 | 99 | 65 | 94 | 64 | 88 | 62 | 37 | 17 | |
| Trona | San Bernardino | 14 | 35.79 | 117 23 | 1695 | 113 | 72 | 109 | 70 | 105 | 68 | 35 | 18 | 2415 |
| Truckee RS | Nevada | 16 | 39.29 | 120 11 | 5995 | 90 | 58 | 87 | 57 | 82 | 55 | 40 | -10 | 8230 |
| Tujunga | Los Angeles | 9 | 34.29 | | 1820 | 103 | 70 | 99 | 69 | 94 | 67 | 36 | 20 | |
| Tulare | Tulare | 13 | 36.20 | | 290 | 105 | 72 | 101 | 71 | 96 | 69 | 39 | 24 | |
| Tulelake | Siskiyou | 16 | 42 | | 4035 | 92 | 60 | 88 | 59 | 83 | 57 | 41 | -5 | 6854 |
| Turlock | Stanislaus | 12 | 37.5 | | 100 | 104 | 72 | 100 | 70 | 95 | 68 | 40 | 24 | |
| Turntable Creek | Plumas | 0 | 40.79 | | 1067 | 105 | 69 | 101 | 68 | 95 | 66 | 28 | 24 | |
| Tustin Irvine Rch | Orange | 8 | 33.70 | 117 47 | 118 | 99 | 71 | 92 | 69 | 85 | 68 | 27 | 28 | 1856 |

| City | County | ClimateZone | Latitude | Longitude (Degree Minute) | Elevation | Summer | | | | | | | Winter Minimum | HDD |
|--------------------|-----------------|-------------|----------|------------------------------|-----------|--------------|--------------|--------------|--------------|-------------|-------------|-------|----------------|------|
| | | | | | | .1% Dry Bulb | .1% Wet Bulb | .5% Dry Bulb | .5% Wet Bulb | 2% Dry Bulb | 2% Wet Bulb | Range | | |
| Twentynine Palms | San Bernardino | 0 | 34.09 | 116 03 | 1975 | 110 | 71 | 107 | 70 | 103 | 69 | 31 | 21 | 1973 |
| Twin Lakes | Mono | 16 | 38.70 | | 7829 | 73 | 49 | 64 | 47 | 57 | 46 | 30 | -7 | 9196 |
| Twitchell Dam | San Luis Obispo | 5 | 35 | | 582 | 99 | 70 | 93 | 68 | 88 | 66 | 26 | 26 | |
| UCLA | Los Angeles | 9 | 34.09 | | 430 | 93 | 69 | 86 | 68 | 80 | 66 | 20 | 39 | 1509 |
| Ukiah | Mendocino | 2 | 39.20 | 123 12 | 623 | 100 | 70 | 97 | 69 | 92 | 68 | 42 | 22 | 2958 |
| Union City | Alameda | 3 | 37.6 | | 5 | 90 | 67 | 87 | 66 | 81 | 63 | 20 | 25 | |
| Upland | San Bernardino | 10 | 34.1 | | 1605 | 102 | 69 | 98 | 68 | 92 | 66 | 31 | 29 | 2175 |
| Upper Lake RS | Lake | 2 | 39.20 | 122 57 | 1347 | 98 | 68 | 95 | 67 | 91 | 64 | 39 | 18 | |
| Upper San Leandro | Alameda | 3 | 37.79 | | 394 | 93 | 67 | 87 | 66 | 80 | 63 | 22 | 28 | |
| Vacaville | Solano | 12 | 38.40 | | 105 | 103 | 71 | 100 | 70 | 94 | 68 | 40 | 23 | 2788 |
| Valinda | Los Angeles | 9 | 34 | | 340 | 102 | 70 | 98 | 69 | 92 | 68 | 28 | 31 | |
| Vallejo | Solano | 3 | 38.09 | | 85 | 93 | 67 | 90 | 66 | 84 | 64 | 23 | 28 | |
| Valyermo RS | Los Angeles | 14 | 34.5 | | 3600 | 100 | 67 | 96 | 66 | 91 | 65 | 41 | 12 | 3870 |
| Vandenburg AFB | Santa Barbara | 5 | 34.70 | 122 48 | 368 | 85 | 62 | 77 | 61 | 71 | 60 | 16 | 30 | 3451 |
| Ventura | Ventura | 6 | 34.29 | | 341 | 89 | 68 | 82 | 67 | 76 | 66 | 15 | 29 | |
| Victorville Pumps | San Bernardino | 14 | 34.5 | | 2858 | 105 | 67 | 101 | 65 | 97 | 62 | 39 | 14 | 3191 |
| View Park | Los Angeles | 6, 8 | 34 | | 300 | 95 | 69 | 88 | 68 | 78 | 66 | 18 | 36 | |
| Visalia | Tulare | 13 | 36.29 | | 325 | 103 | 71 | 100 | 70 | 96 | 69 | 38 | 25 | 2459 |
| Vista | San Diego | 7 | 33.20 | | 510 | 96 | 69 | 90 | 68 | 85 | 67 | 16 | 30 | |
| Volta PH | Merced | 12 | 40.5 | | 2220 | 101 | 66 | 98 | 65 | 93 | 63 | 33 | 21 | |
| Walnut | Los Angeles | 9 | 34 | | 550 | 101 | 70 | 97 | 69 | 92 | 69 | 30 | 28 | |
| Walnut Creek | Contra Costa | 12 | 37.90 | | 245 | 100 | 69 | 94 | 67 | 87 | 66 | 32 | 23 | |
| Walnut Grove | Sacramento | 12 | 38.20 | | 23 | 102 | 70 | 98 | 69 | 92 | 68 | 37 | 24 | |
| Warner Springs | San Diego | 14 | 33.29 | | 3180 | 100 | 67 | 95 | 66 | 91 | 65 | 40 | 15 | 3591 |
| Wasco | Kern | 13 | 35.59 | | 333 | 105 | 71 | 101 | 70 | 97 | 68 | 36 | 23 | 2466 |
| Watsonville | Santa Cruz | 3 | 36.90 | | 95 | 86 | 66 | 82 | 64 | 79 | 61 | 22 | 28 | 3418 |
| Weaverville RS | Trinity | 16 | 40.70 | | 2050 | 100 | 67 | 95 | 66 | 89 | 63 | 46 | 10 | 4992 |
| Weed FD | Siskiyou | 16 | 41.40 | | 3590 | 92 | 63 | 89 | 62 | 84 | 59 | 35 | 4 | |
| West Carson | Los Angeles | 9 | 33.79 | | 100 | 92 | 69 | 87 | 68 | 81 | 66 | 18 | 32 | |
| West Covina | Los Angeles | 9 | 34 | | 365 | 102 | 70 | 98 | 69 | 92 | 68 | 34 | 29 | |
| West Hollywood | Los Angeles | 9 | 34 | | 290 | 95 | 70 | 89 | 69 | 82 | 67 | 20 | 38 | |
| West Puente Valley | | | 34 | | 250 | 101 | 70 | 97 | 69 | 91 | 68 | 26 | 31 | |
| Westminster | Orange | 6 | 33.79 | | 38 | 95 | 70 | 88 | 68 | 81 | 67 | 23 | 33 | |
| Whiskeytown Res | Shasta | 11 | 40.59 | | 1295 | 105 | 69 | 101 | 68 | 96 | 67 | 31 | 25 | |
| White Mtn 1 | Mono | 16 | 37.5 | | 10150 | 73 | 49 | 69 | 47 | 65 | 45 | 37 | -15 | |
| White Mtn 2 | Mono | 16 | 37.59 | | 12470 | 61 | 42 | 58 | 41 | 54 | 40 | 38 | -20 | |
| Whittier | Los Angeles | 9 | 34 | | 320 | 99 | 69 | 90 | 68 | 84 | 67 | 24 | 31 | |
| Wildrose RS | Inyo | 16 | 36.29 | | 4100 | 100 | 64 | 97 | 63 | 93 | 61 | 33 | 13 | |
| Williams | Colusa | 11 | 39.20 | | 85 | 104 | 71 | 100 | 70 | 94 | 68 | 36 | 24 | |
| Willits | Mendocino | 2 | 39.40 | 123 19 | 1350 | 95 | 66 | 89 | 65 | 82 | 62 | 38 | 18 | |
| Willow Brook | Los Angeles | 8 | 33.90 | | 60 | 97 | 70 | 90 | 69 | 83 | 67 | 21 | 35 | |
| Willow Creek | Humboldt | 2 | 41 | 123 38 | 461 | 104 | 70 | 98 | 68 | 92 | 66 | 35 | 22 | |
| Willows | Colusa | 11 | 39.5 | | 140 | 104 | 71 | 100 | 70 | 94 | 68 | 36 | 22 | 2836 |
| Winters | Yolo | 12 | 38.5 | | 135 | 104 | 71 | 99 | 70 | 93 | 68 | 38 | 24 | 2593 |
| Woodfords | Alpine | 16 | 38.79 | | 5671 | 92 | 59 | 89 | 58 | 84 | 56 | 32 | 0 | 6047 |
| Woodland | Yolo | 12 | 38.70 | | 69 | 106 | 72 | 101 | 71 | 96 | 69 | 40 | 25 | 2708 |
| Woodside | San Mateo | 3 | 37.5 | | 75 | 92 | 67 | 84 | 66 | 76 | 63 | 24 | 22 | |
| Yorba Linda | Orange | 8 | 33.90 | | 350 | 102 | 70 | 94 | 69 | 88 | 68 | 31 | 30 | 1643 |
| Yosemite Park Hq | Mariposa | 16 | 37.70 | | 3970 | 97 | 63 | 94 | 62 | 90 | 60 | 38 | 11 | 4785 |

| City | County | ClimateZone | Latitude | Longitude (Degree Minute) | Elevation | Summer | | | | | | | Winter Minimum | HDD |
|-----------|----------------|-------------|----------|------------------------------|-----------|--------------|--------------|--------------|--------------|-------------|-------------|-------|----------------|------|
| | | | | | | .1% Dry Bulb | .1% Wet Bulb | .5% Dry Bulb | .5% Wet Bulb | 2% Dry Bulb | 2% Wet Bulb | Range | | |
| Yreka | Siskiyou | 16 | 41.70 | | 2625 | 99 | 66 | 95 | 65 | 90 | 64 | 39 | 8 | 5395 |
| Yuba City | Sutter | 11 | 39.09 | | 70 | 105 | 69 | 101 | 69 | 96 | 68 | 36 | 24 | |
| Yucaipa | San Bernardino | 10 | 34 | | 2600 | 106 | 68 | 102 | 67 | 98 | 65 | 35 | 27 | |