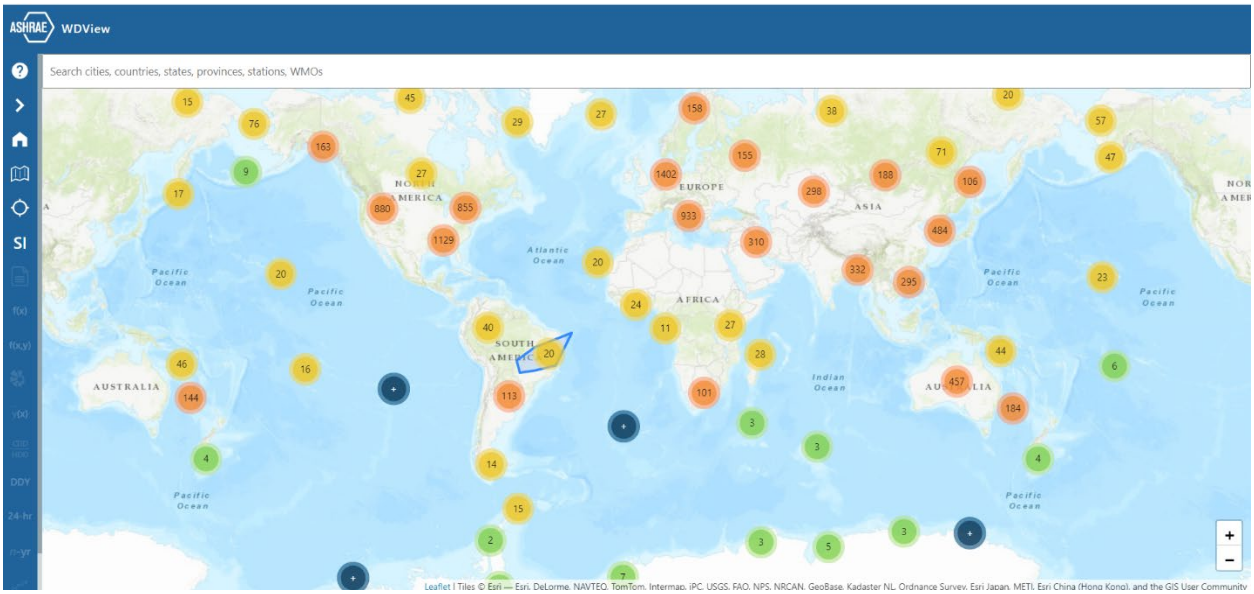
Weather Data Viewer 2021

Preview



The first step to using Weather Data Viewer 2021 is to select a station.

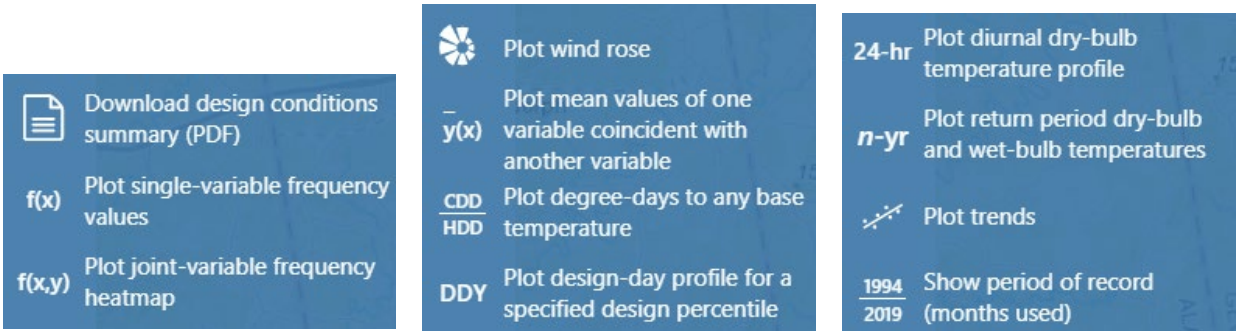
You may select a station using the map. On the map, clusters of stations are indicated by orange, yellow, and green circular markers, with central number indicating the number of stations in the cluster. Clicking on a cluster will zoom into that cluster. Hovering over a cluster shows the bounds of the stations in the cluster. Individual stations are indicated by blue circular markers. Clicking on the blue marker makes that station the active station.

You may also select a station by searching. Use the search box to search for cities, countries, states, provinces, station names, or station WMO numbers. After typing at least 3 characters, a list will pop up with a number of matches to your query. Select one and you will zoom to its location. Pan and zoom to find a suitable station and click on it to select it.

To further examine any station, you can click on the  icon under the station name to open the location in Google Maps in a new browser tab. You can then examine the station in satellite or street view.

Clicking  requests that the browser provide your current location. Given permission, Weather Data Viewer will move to this location, displaying any nearby stations.

Once you have chosen a station, several functionalities become available to you:



For any station, you can click  to download a summary PDF sheet of climatic data information for the selected station.

A variety of figure widgets are available to examine various aspects of the climatic data beyond that in the simple climatic design conditions in the summary PDF:

f(x)	Plot single-variable frequency distribution
f(x,y)	Joint-variable frequency distribution
	Wind speed and direction distribution (wind rose)
$\bar{y}(x)$	Mean-coincident values
$\frac{CDD}{HDD}$	Cooling and heating degree-days
DDY	Design-days
24-hr	Diurnal dry-bulb temperature profile
n-yr	Return periods
$\frac{1994}{2019}$	Period of record (months used)

For each figure, three export options are always available:

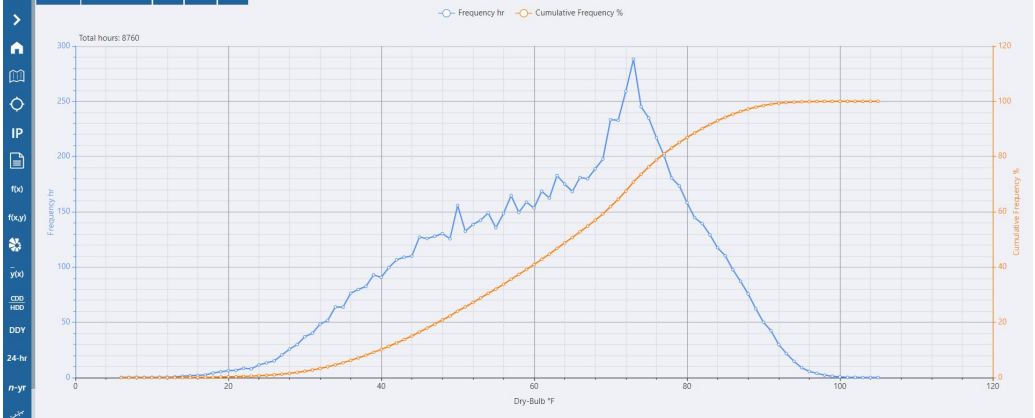
- SVG: Export the figure in vector SVG format for import into graphics programs, e.g., Photoshop, Illustrator, or Inkscape, or directly in the browser.
- PNG: Export the figure in bitmap PNG format for import into many programs, e.g., Word, emails, or directly in the browser.
- CSV: Export the raw underlying data in CSV (Comma-Separated Value) format for import into spreadsheet programs, e.g., Excel, or for simple usage in scripting programs, e.g., Python + Pandas.

Examples of these visualizations follow.

ATLANTA HARTSFIELD-JACKSON, GA, USA
33.6300°N 84.4420°W 1010ft

722190

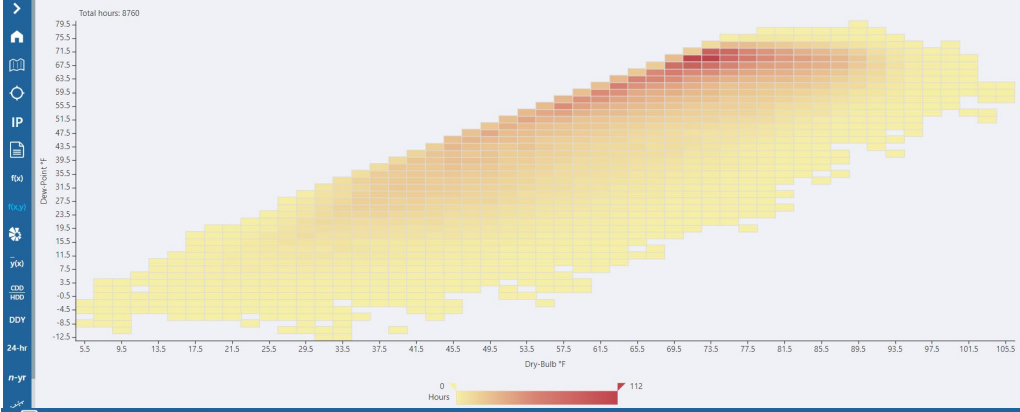
Annual | Dry-Bulb | SVG | PNG | CSV



ATLANTA HARTSFIELD-JACKSON, GA, USA
33.6300°N 84.4420°W 1010ft

722190

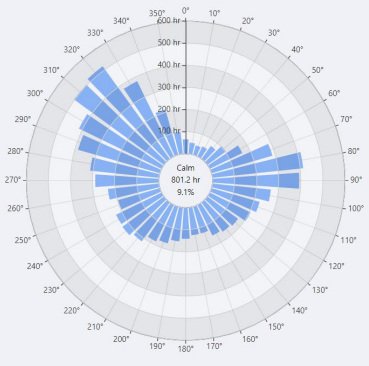
Annual | Dew-Point | X ↔ Y | SVG | PNG | CSV



ATLANTA HARTSFIELD-JACKSON, GA, USA
33.6300°N 84.4420°W 1010ft

722190

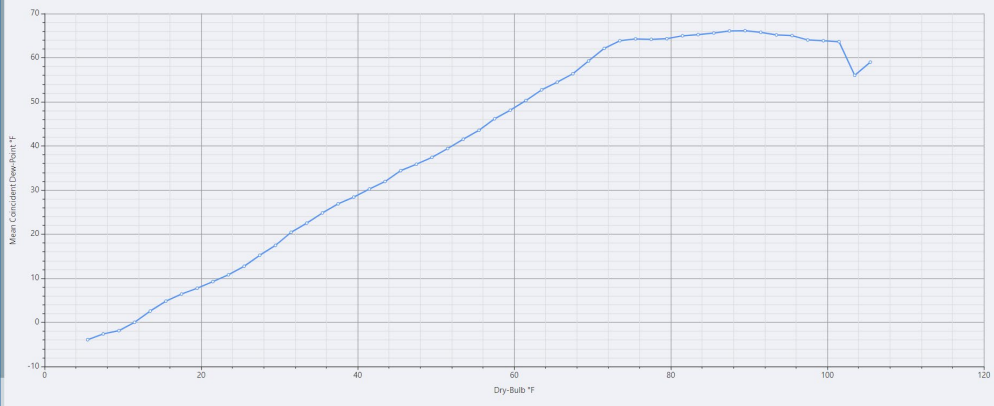
Annual | 36 | Collapse | SVG | PNG | CSV

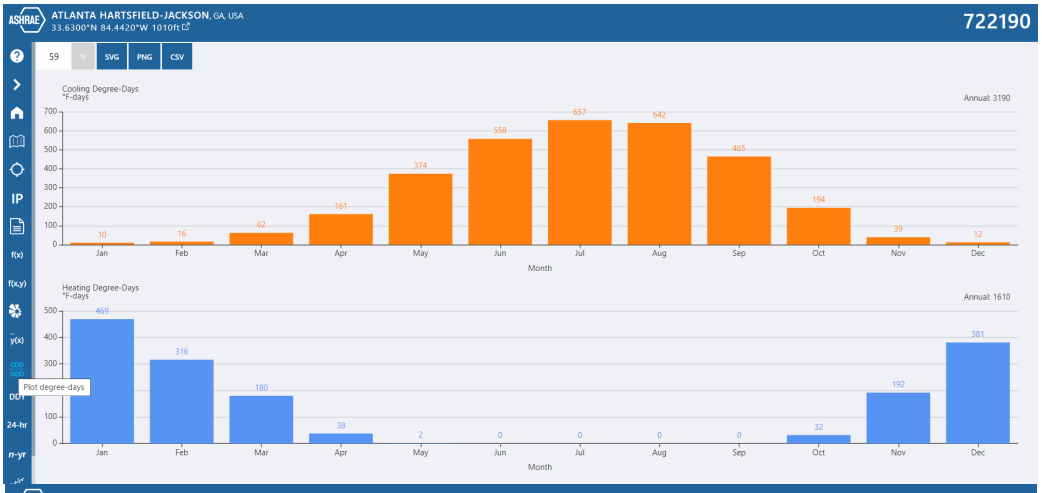


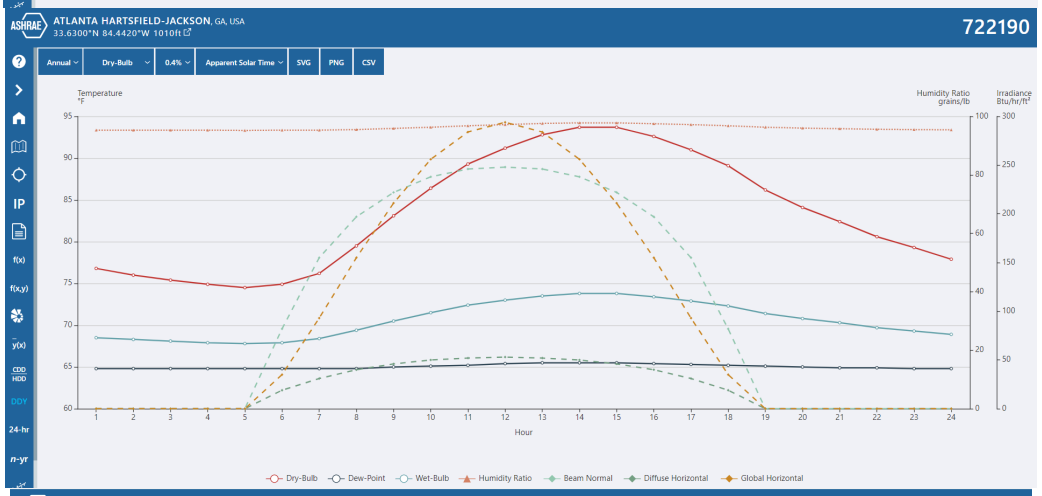
ATLANTA HARTSFIELD-JACKSON, GA, USA
33.6300°N 84.4420°W 1010ft

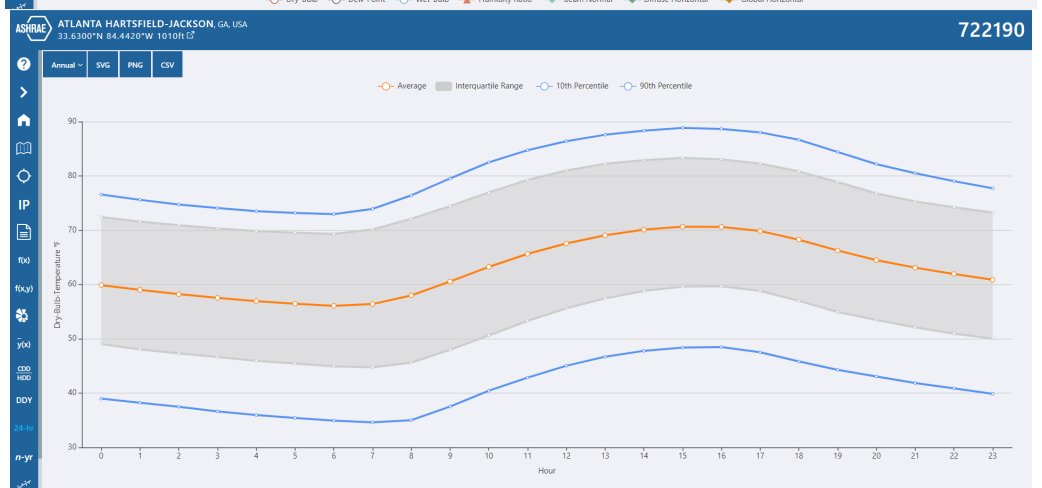
722190

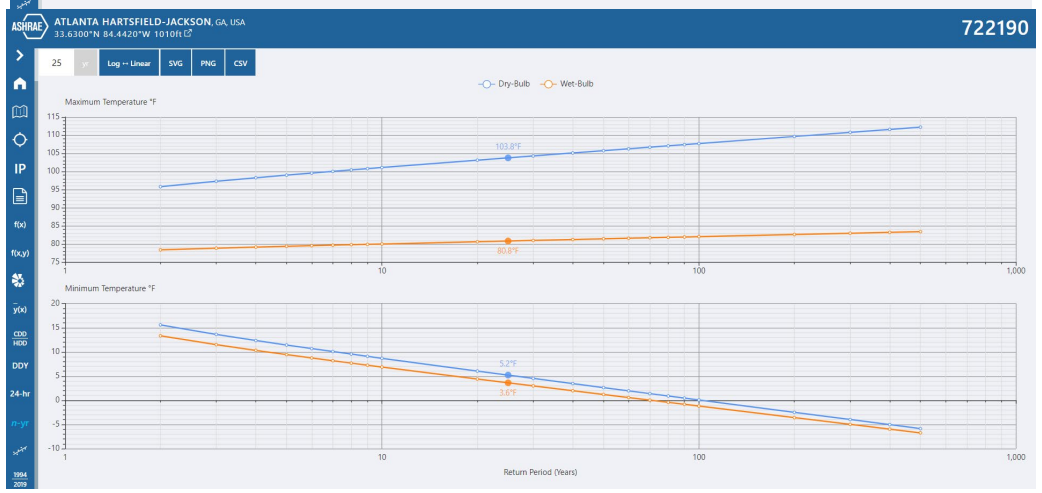
Annual | Dew-Point | X ↔ Y | SVG | PNG | CSV

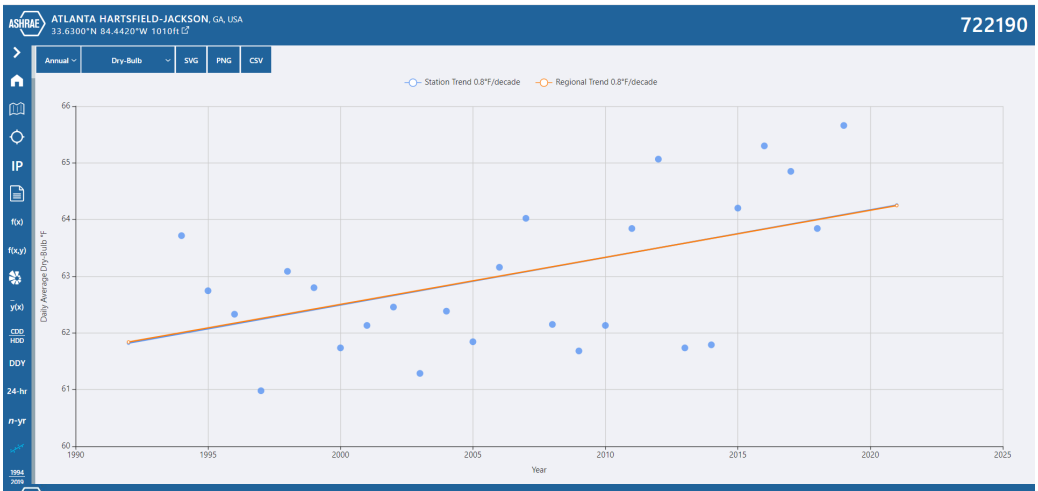


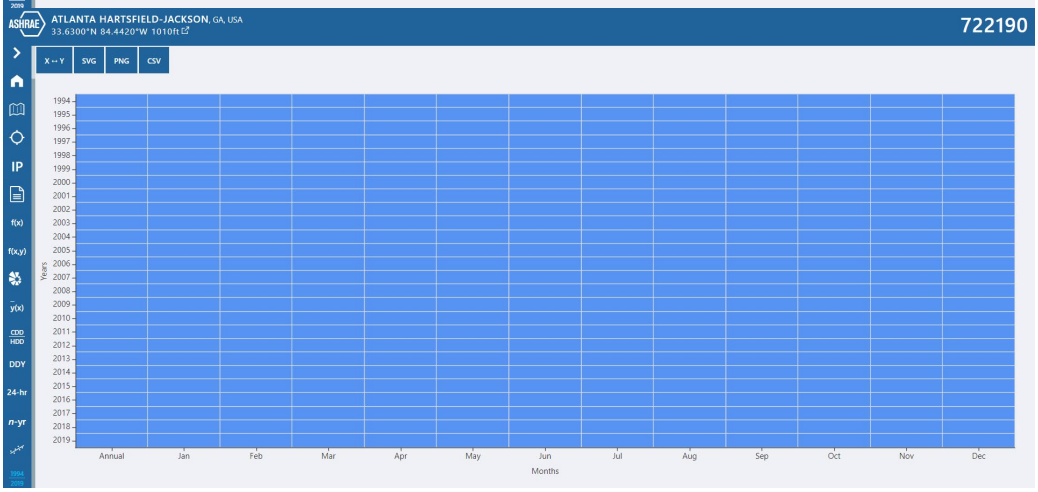

ATLANTA HARTSFIELD-JACKSON, GA, USA
33.6300°N 84.4420°W 1010ft
722190
SVG
PNG
CSV
Cooling Degree-Days
°F-days
Annual 3190
10
16
62
161
374
558
657
642
465
194
39
12
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Month
Heating Degree-Days
°F-days
Annual 1610
469
316
180
38
2
0
0
0
0
32
192
381
Plot degree-days


ATLANTA HARTSFIELD-JACKSON, GA, USA
33.6300°N 84.4420°W 1010ft
722190
Annual
Dry-Bulb
0.4%
Apparent Solar Time
SVG
PNG
CSV
Temperature
°F
Humidity Ratio
grains/lb
Irradiance
Btu/hr/ft²
Hour
Dry-Bulb
Dew-Point
Wet-Bulb
Humidity Ratio
Beam Normal
Diffuse Horizontal
Global Horizontal


ATLANTA HARTSFIELD-JACKSON, GA, USA
33.6300°N 84.4420°W 1010ft
722190
Annual
SVG
PNG
CSV
Average
Interquartile Range
10th Percentile
90th Percentile
Dry-Bulb Temperature °F
Hour


ATLANTA HARTSFIELD-JACKSON, GA, USA
33.6300°N 84.4420°W 1010ft
722190
25
Log ↔ Linear
SVG
PNG
CSV
Dry-Bulb
Wet-Bulb
Maximum Temperature °F
103.8°F
80.8°F
Minimum Temperature °F
5.2°F
3.6°F
Return Period (Years)


ATLANTA HARTSFIELD-JACKSON, GA, USA
33.6300°N 84.4420°W 1010ft
722190
Annual
Dry-Bulb
SVG
PNG
CSV
Station Trend 0.8°F/decade
Regional Trend 0.8°F/decade
Daily Average Dry-Bulb °F
Year


ATLANTA HARTSFIELD-JACKSON, GA, USA
33.6300°N 84.4420°W 1010ft
722190
X ↔ Y
SVG
PNG
CSV
Years
Annual
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sep
Oct
Nov
Dec
Months