



History Bulk

This product allows you to extract historical data for a chosen city. The price is highly competitive - only 10\$ per location. You can find more about ways to access historical data from our [price page \(/price#history\)](/price#history).

About History Bulk

This product allows you to download an archive of historical weather data for ANY location for up to 40 years back. There are 2 ways to get History Bulk:

1. **Contact us at info@openweathermap.org (<mailto:info@openweathermap.org>).**

If you plan to order historical data for an extensive number of locations, we recommend to contact us directly at info@openweathermap.org. Our experts will process your list of locations and export the necessary data for you from our archive up to 40 years old.

2. **Purchase via [Personal account \(https://home.openweathermap.org/history_bulks/new\)](https://home.openweathermap.org/history_bulks/new).**

We provide the opportunity to purchase and download our weather data directly from your Personal account. Data are available for up to 19 years back (from January 01, 2000 till now) for 37,000+ cities.

Please read this page to know how to do it.

Please [contact us \(mailto:info@openweathermap.org\)](mailto:info@openweathermap.org) if you would like to buy historical weather data for up to 40 years back

Data is provided with **hourly step**.

There are two formats this can be provided in: CSV and JSON.

Please click here to download [examples](#).

How to get historical weather data

To request History Bulk for your locations, please follow these steps:

1. [Sign up \(/home/sign_up\)](/home/sign_up) to the personal account. If you are already registered, please just [Sign in \(/home/sign_in\)](/home/sign_in).
2. Go to the "Store" (https://home.openweathermap.org/history_bulks) tab and, after that, click on the ["+ New History Bulk" \(https://home.openweathermap.org/history_bulks/new\)](https://home.openweathermap.org/history_bulks/new) button.
3. Specify all required fields:
 - **Locations** Please input a city name, click on the "Search city" button, select a city, click on the "+ Add cities" button.
 - **Period of time**
 - **Weather parameters** Please select at least one weather parameter.
 - **Units** We provide 3 types of units for weather parameters.
 - **File formats** CSV or JSON.
4. Click on the "Buy History Bulk" button and follow the PayPal instructions to complete the payment.
5. After the successful payment you will be able to find your order in two ways:
 - All purchases can be found in your personal account, in the ["Order" \(https://home.openweathermap.org/history_bulks\)](https://home.openweathermap.org/history_bulks) section

- ☐ ◦ You will also receive a letter to your email with the link to download your current order

The example of extraction process is below:

* City name

London

Q Search city

Available cities:

☒ London, GB [51.5073,-0.1277]

☐ London, CA [42.9886,-81.2467]

☐ London, US [37.129,-84.0833]

☐ London, US [39.8864,-83.4483]

☐ London, US [35.329,-93.253]

+ Add cities

Selected cities:

London, GB

* From

01/01/2000

* To

12/01/2019

Weather parameters:

☒ Temperature

☒ Pressure

☒ Weather conditions

☒ Min temperature

☒ Humidity

☒ Rain

☒ Max temperature

☒ Clouds

☒ Snow

☒ Wind

Units:

☒ Metric (T - Celsius, P - hPa, W - meter/sec)

☐ Imperial (T - Fahrenheit, P - hPa, W - miles/hour)

☐ Standard (T - Kelvin, P - hPa, W - meter/sec)

File format:

☒ JSON

☐ CSV

For 1 cities total price is 10\$

Buy History Bulk

Cancel

(http://openweathermap.org/themes/openweathermap/assets/img/history%20bulk%20examples/history_bulk_example.png).

- [About History Bulk](#)
- [How to get historical weather data](#)
- [Sample data](#)
- [Weather parameters in History Bulk](#)
 - [List of condition codes](#)



Sample data

There are two formats of files History Bulk can be provided in. Please find the examples below:

JSON (http://samples.openweathermap.org/storage/history_bulk.json?appid=b1b15e88fa797225412429c1c50c122a1)

CSV (http://samples.openweathermap.org/storage/history_bulk.csv?appid=b1b15e88fa797225412429c1c50c122a1)

Weather parameters in History Bulk

If you do not see some of the parameters in your API response, it means that these weather phenomena just have not happened in the chosen time period at the chosen location. Only really measured or calculated data is displayed in API response.

List of all API parameters with units openweathermap.org/weather-data ([weather-data](https://openweathermap.org/weather-data)).

Parameters:

- city_id City ID



- ☐ • weather (more info [Weather condition codes](#))
 - weather.id Weather condition id
 - weather.main Group of weather parameters (Rain, Snow, Extreme etc.)
 - weather.description Weather condition within the group
 - weather.icon Weather [icon id](#)
- main
 - main.temp Temperature. The temperature is provided only in Kelvins
 - main.pressure Atmospheric pressure (on the sea level), hPa
 - main.humidity Humidity, %
 - main.temp_min Minimum temperature at the moment. This is deviation from temperature that is possible for large cities and megalopolises geographically expanded (use these parameter optionally). The temperature is provided only in Kelvins.
 - main.temp_max Maximum temperature at the moment. This is deviation from temperature that is possible for large cities and megalopolises geographically expanded (use these parameter optionally). The temperature is provided only in Kelvins.
- wind
 - wind.speed Wind speed. Unit Default: meter/sec
 - wind.deg Wind direction, degrees (meteorological)
- clouds
 - clouds.all Cloudiness, %
- rain
 - rain.3h Rain volume for the last 3 hours, mm
- snow
 - snow.3h Snow volume for the last 3 hours, mm (in liquid state)
- dt Time of data calculation, unix, UTC
- dt_iso Date and time in UTC format

Example:

```
{
  "city_id": 5128581,
  "main": {
    "temp": 271.9,
    "temp_min": 270.15,
    "temp_max": 274.15,
    "pressure": 1010,
    "humidity": 86},
  "wind": {
    "speed": 2.1,
    "deg": 30},
  "clouds": {"all": 90},
  "weather": [{
    "id": 701,
    "main": "Mist",
    "description": "mist", "icon": "50n"},
    {
    "id": 600,
    "main": "Snow",
    "description": "light snow", "icon": "13n"}],
  "dt": 1485907200,
  "dt_iso": "2017-02-01 00:00:00 +0000 UTC"}
```

List of weather condition codes

List of [weather condition codes \(/weather-conditions\)](#) with icons (range of thunderstorm, drizzle, rain, snow, clouds, atmosphere including extreme conditions like tornado, hurricane etc.)



Weather in your city

- [Find your city \(../find?q=\)](#).
- [Weather maps \(../weathermap\)](#).

Weather APIs

- [How to start \(../appid\)](#).
- [Weather APIs for developers \(../api\)](#).
- [Current weather \(../current\)](#).
- [5 day / 3 hour weather forecast \(../forecast5\)](#).
- [16 day / daily weather forecast \(../forecast16\)](#).
- [Hourly historical data \(../history\)](#).
- [History bulk \(../history-bulk\)](#).
- [Examples of API use \(../examples\)](#).

Map layers

- [Examples of weather map layers \(../api/weathermaps#examples\)](#).
- [Map styles legend \(../api/weathermaps#legend\)](#).
- [Libraries to connect weather layers \(../api/weathermaps#library\)](#).

How to subscribe

- [Price-list \(../price\)](#).
- [Subscribe to APIs \(../price_subscribe\)](#).

Found a bug? Have a question or idea? Welcome to **Support center** (<https://openweathermap.force.com/s/contactsupport>)

Weather station network

- [How to connect your weather station \(../stations\)](#).

About

- [About company \(/about\)](#).
- [Team \(https://openweather.co.uk/team\)](https://openweather.co.uk/team).
- [Weather model \(/technology\)](#).

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