



OpenWeather

Weather forecasts, nowcasts and history in a fast and elegant way


New York


New York City, US 

New York, US 

24°C

19°C





40.714, -74.006

43.000, -75.500

Different Weather?

Metric: °C, m/s

Imperial: °F, mph

Search

London, GB

20°C

Feels like 19°C. Broken clouds. Gentle Breeze

➤ 5.1m/s WSW

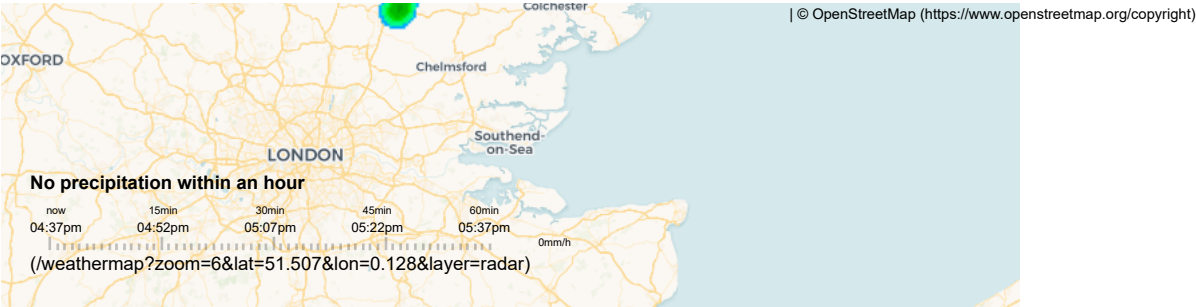
🕒 1017hPa

💧 Humidity: 55%

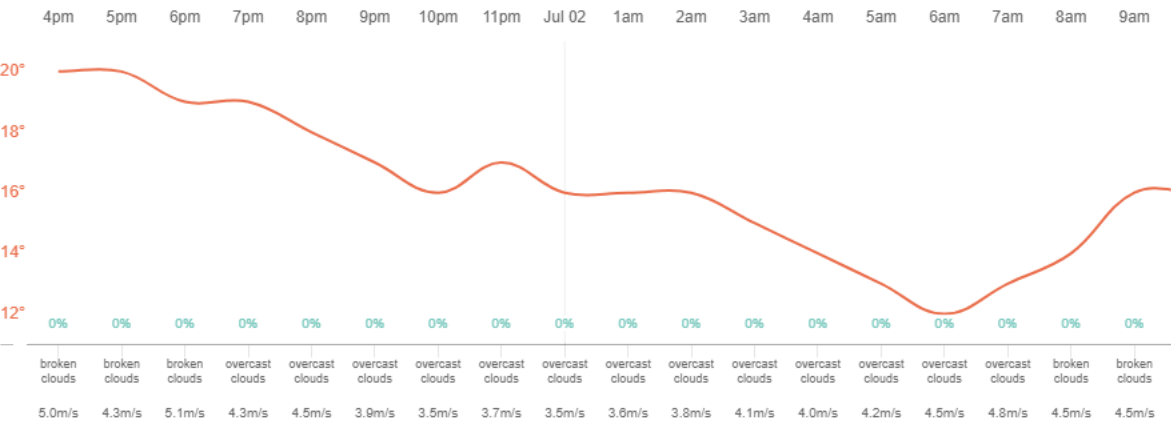
UV: 1

💧 Dew point: 10°C





👁️ Visibility: 10.0km



Hourly forecast



8-day forecast

Mon, Jul 01	 22 / 13°C	broken clouds	▼
Tue, Jul 02	 17 / 12°C	light rain	▼
Wed, Jul 03	 17 / 12°C	moderate rain	▼
Thu, Jul 04	 22 / 13°C	scattered clouds	▼
Fri, Jul 05	 22 / 15°C	light rain	▼
Sat, Jul 06	 20 / 13°C	light rain	▼
Sun, Jul 07	 21 / 12°C	few clouds	▼

Leaving everything behind, people are fleeing conflict in Ukraine. They need shelter, food, and water. When you [subscribe to our service \(/price\)](#), you can join us to help with **donation of just of £20**. Openweather **will add £40** to each donation and send it to [Disasters Emergency Committee's \(DEC\)](https://www.dec.org.uk/appeal/ukraine-humanitarian-appeal) (<https://www.dec.org.uk/appeal/ukraine-humanitarian-appeal>) Ukrainian Humanitarian Appeal.

APIs


One Call API 3.0 (/api/one-call-3)

Choose the subscription plan **"One Call by Call"** ([/price](#)) and get access to the various data for any coordinates **with One Call API 3.0 (/api/one-call-3)**. 1,000 API calls per day for free! [Pay as you call \(/price\)](#).


Included data	Time
Current weather	Now
Minute forecast	Next hour
Hourly forecast	Next 48 hours
Daily forecast	Next 8 days
Weather data by any timestamp	40+ years back - 4 days ahead forecast
National weather alerts	All available data
Daily aggregation	45 years back - 1,5 years ahead forecast
Weather overview	human-readable weather summary

Use our Professional collections (/api#pro) to get extended weather data for any coordinates on the globe


For professionals and specialists with middle and large sized project, we recommend our Professional collections. They include either an extended data sets, or various tools for receiving and displaying data, etc.



current weather
(current)
(/current)



hourly forecast
(4 days)
(/api/hourly-forecast)



daily forecast
(16 days)
(/forecast16)



climatic forecast
(30 days)
(/api/forecast30)



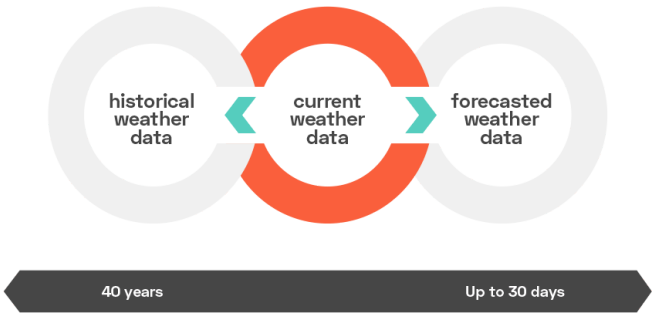
historical weather
(40+ years back)
(/history)

Called by:
geographic coordinates, zip/post code, city name, city ID, number of cities (only in current weather and forecast APIs)

[Learn more \(/api#pro\)](#)

Weather data

Weather for any geographic coordinates on the globe



For each point on the globe, we provide historical, current and forecasted weather data via light-speed APIs.

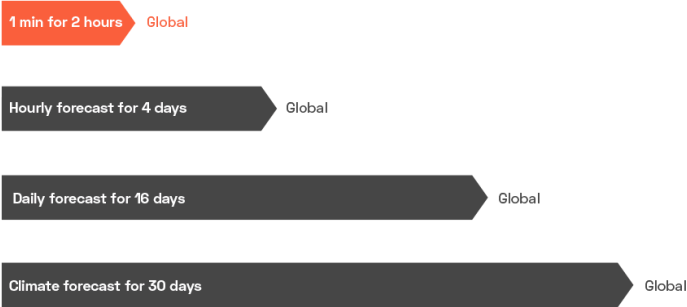
Minute by minute forecast (/api/one-call-3)

Other forecasts:
[hourly_\(4-day\)_\(/api/hourly-forecast\)](#), [daily_\(16-day\)_\(/forecast16\)](#), [30-day climate forecast \(/api/forecast30\)](#)

Historical data (/history-bulk)
with 40-year archive for any coordinates

Weather data

Forecasted weather data



Detailed forecasts available by city name, city ID, geographic coordinates or postal/ZIP code.

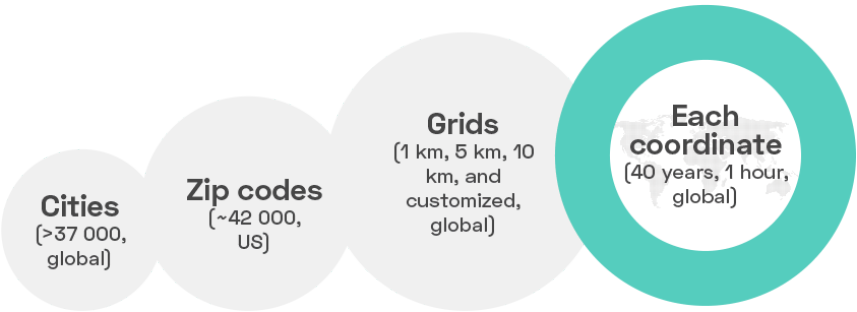
How to obtain

[API \(/api\)](#)
[Bulks \(/bulk\)](#)

A variety of subscriptions with various limits on calls/min, data availability, and service

Weather data

Historical weather data



Our technology **Time Machine**, has allowed us to enhance data in the [Historical Weather Collection \(/api#history\)](#): historical weather data is now available for any coordinates and the depth of historical data has been extended to 40 years.

How to obtain

Marketplace (<https://home.openweathermap.org/marketplace>) of prepared data sets
(cities, zip codes, grids)

On-the-fly bulks (<https://home.openweathermap.org/marketplace>)
for customized lists of coordinates

APIs (/api#history) (city-based, up to 1 year back; subscriptions with various limits on calls/min, data availability, and service)

Weather data

Zip codes
[~42 000,
US]

Cities
[200 000,
global]



Access current weather data for any location on Earth including over 200,000 cities! The data is frequently updated based on the global and local weather models, satellites, radars and a vast network of weather stations.

how to obtain

APIs ([/current](#))

(subscriptions with various limits on calls/min, data availability, and service)

Prepared bulks ([/bulk](#))

(cities, zip codes)

Our new products



Solar Panel Energy Prediction (</api/solar-panels-and-energy-prediction>)

This product provides users with current, forecast and historical solar panel power output data based on the panel's technical characteristics for any coordinates on the globe. In addition each response includes essential solar irradiation data (DNI, GHI and DHI).



Solar Irradiance API (</api/solar-energy-prediction>)

This product provides users with current, forecast and historical solar irradiation data for any coordinates on the globe. It includes DNI, DHI and GHI indices for the Clear Sky and Cloudy Sky models.



Global weather alerts via push notifications (</api/push-weather-alerts>)

This product collects weather warnings from the major weather warning systems and presents them in a uniform and convenient data format. Push notification mechanism will allow to get timely notifications about severe weather.

AI and satellite imagery

Agriculture analytics (<https://openagro.uk/>)

Based on large amount of processing satellite and climate data, we provide **analytical reports** and **detailed datasets** for crop monitoring:

- Crop map (soy, corn, wheat, etc.)
- Recognised field boundaries
- Vegetation indices statistics by each recognised field
- Climate data for regions and particular field
- Soil and weather data

[Learn more \(<https://openagro.uk/>\)](https://openagro.uk/)

Agro Dashboard (<https://home.agromonitoring.com/auth/sign-up>)

Dashboard is a visual service where you can easily work with satellite imagery and weather data for your fields. It is the visual demonstration of the data we provide through our **Agro API** (<https://agromonitoring.com/>):

- New satellite imagery every 2-4 days
- Historical satellite data archive
- Vegetation indices and Historical NDVI chart
- Current, Forecast and Historical weather data

[Learn more \(https://home.agromonitoring.com/auth/sign-up\)](https://home.agromonitoring.com/auth/sign-up)

[Weather maps \(/api/weather-map-2\)](/api/weather-map-2)

Forecast, Current and Historical

Using only one **API call** (</api/weather-map-2>), you can get Forecast (for 10 days with 3-hour step), Historical, and Current weather maps.

15 map layers (</api/weather-map-2>) include the most useful data, such as precipitation, clouds, pressure, temperature, wind, and many more.

Interactive weather map (</weathermap>) allows you to watch for current temperature and weather conditions in your city or any other location on the interactive global map.

[Learn more \(/api/weather-map-2\)](/api/weather-map-2)

14,000+ OpenWeatherMap weather API repositories on GitHub (/examples)

Find lots of workouts with our weather APIs on PHP, Java, Python, Go and many others on the Partners page together with 14,000+ repositories on [GitHub](https://github.com/search?q=openweathermap) (<https://github.com/search?q=openweathermap>).

[View solutions \(/examples\)](/examples)

Google Weather-Based Campaign Management with OpenWeatherMap API (/examples#google1)

Run your advertising campaign with the OpenWeatherMap API through Google AdWords

[Read more \(/examples#google1\)](/examples#google1)

Connect your weather station to OpenWeatherMap (/stations)

We are glad to invite you to join our network of private weather stations. Today we have more than 80,000 weather stations around the world.

[Connect \(/stations\)](/stations)

We are happy to support open projects with open source code. If you need to make a large number of API calls and you have published your code on GitHub or BitBucket, please contact us and we will provide you with extended conditions.

[Contact us \(<mailto:info@openweathermap.org>\)](mailto:info@openweathermap.org)

Product Collections

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Company

Technologies

Terms & Conditions

[About us \(/about-us\)](#)

[Blog \(<https://openweather.co.uk/blog/category/weather>\)](https://openweather.co.uk/blog/category/weather)

[OpenWeather for Business \(<https://openweather.co.uk/>\)](https://openweather.co.uk/)

[ChatBot assistant \(/chat\)](#)

[Ask a question \(<https://home.openweathermap.org/questions>\)](https://home.openweathermap.org/questions)

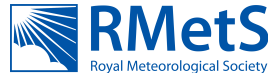
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[\(<https://play.google.com/store/apps/details?id=uk.co.openweather>\)](https://play.google.com/store/apps/details?id=uk.co.openweather)



Supplier of Achilles UVDB community

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