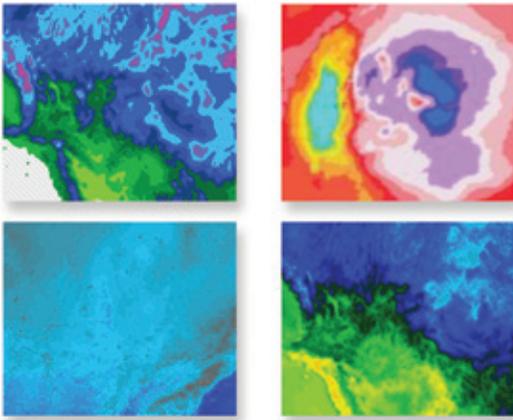


The Weather Company data package: Enhanced Forecast

Stay ahead of weather conditions with our advanced API Network





Enhanced forecast data in tile and polygon formats



Grids versus Polygons

Our gridded forecasts offer a 4 km resolution with weather data, and our polygonal forecasts use shapes and lines to form 256x256 pixel tiles at various zoom levels.

Accurate weather forecasts help ensure that you and your clients are prepared for the worst while expecting the best. The Enhanced Forecast data package from The Weather Company, an IBM Business, offers the best actionable, dependable and accurate weather data possible¹.

Building accurate forecasts from the inside out

Our forecast engines are built using our cutting-edge model forecasting, expertise from 140 meteorologists and related scientists and our network of observations, radar and satellite assimilation and modelling capabilities to deliver the most accurate forecasts at a resolution of 500 square metres globally, as confirmed by ForecastWatch². So that we can best represent rapidly-changing conditions, especially within 24 hours, our forecasts are updated every 15 minutes. The data includes the necessary granularity to step through the forecast hour-by-hour for up to 15 days.

Enhanced data helps keep your clients aware of weather events

The Enhanced Forecast data package includes the following features:

Precipitation forecast – Provides a weather forecast for start and end times of precipitation events for 28 time steps over the next 7 hours

15 minute forecast – Returns forecasted weather in 15 minute increments up to 7 hours

Standard 15 day hourly forecast – Hourly forecasts for the next 15 days starting from the current time

15-day forecast, available as a grid or polygon – Provides a grid forecast on demand at a 4 km resolution and includes relevant temperature, wind and precipitation features. The grid option offers raster data in tiles of 256 x 256 pixels; the polygon option offers geometric vector data indicating where meteorological values cross a particular threshold.

Location mapping services – Identifies locations based on postcode, geocode, city, state, region, district and province

Other data packages offered by The Weather Company include Core Weather, Enhanced Forecast, Severe Weather, and Lifestyle Indices.

Specific data availability can differ by geography and region.

About The Weather Company, an IBM Business

The Weather Company, an IBM Business, helps people make informed decisions and take action when confronted by severe weather conditions. The company offers the most accurate forecasts globally with personalised and actionable weather data and insights to millions of consumers, as well as thousands of marketers and businesses via Weather's API, its business solutions division, and its own digital products from The Weather Channel (weather.com) and Weather Underground (wunderground.com).

The company delivers around 25 billion forecasts a day. Its products include the world's most downloaded weather app, a network of 250,000 personal weather stations, a top-20 U.S. website, one of the world's largest IoT data platforms, and industry-leading business solutions.

Weather Means Business™. The world's biggest brands in aviation, energy, insurance, media and government rely on The Weather Company for data, technology platforms and services to help improve decision-making and respond to weather's impact on business.

For more information, see theweathercompany.com



Footnotes

1 Three Regional Accuracy Overview, 2010 to 2016, By ForecastWatch.com, a Service of Intellovations, LLC, CorecastWatch, December 2016, http://forecastwatch.com/static/Three_Region_Overview_2010_201606.pdf

2 Ibid, 2016.

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The Weather Company, an IBM Business
400 Minuteman Rd
Andover, MA 01810

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