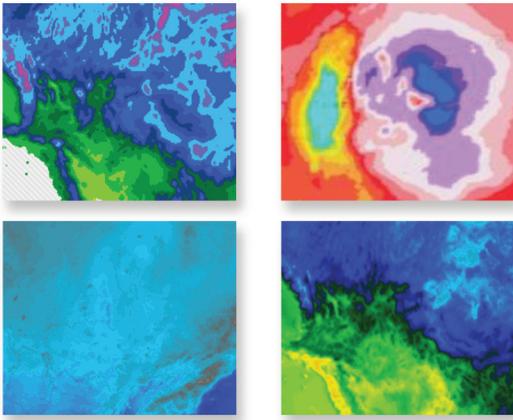


# The Weather Company data package: Enhanced forecast

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 better 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 possible<sup>1</sup>.

### 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 500-squaremeter resolution globally, as confirmed by ForecastWatch<sup>2</sup>. To best represent rapidly changing conditions, especially within 24 hours, our forecasts are updated every 15 minutes. The data includes the granularity needed to step through the forecast hour by hour out 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 precipitation events’ onset and offset times for 28 time steps over the next 7 hours

**15-minute forecast** – Returns forecasted weather in 15-minute increments out to 7 hours

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

**15-day forecast, gridded and polygonal** – Provides a gridded forecast on demand at a 4 km resolution and includes relevant temperature, wind and precipitation features. The gridded offers Raster data in tiles of 256x256 pixels; the polygonal offers geometric vector data indicating where meteorological values cross a particular threshold.

**Location mapping services** – Identifies locations based on zip code, 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 in the face of weather. The company offers the most accurate forecasts globally with personalized 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](http://weather.com)) and Weather Underground ([wunderground.com](http://wunderground.com)).

The company delivers around 25 billion forecasts daily. 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, visit [theweathercompany.com](http://theweathercompany.com)



Footnotes

1 Three Regional Accuracy Overview, 2010 through 2016, By ForecastWatch.com, a Service of Intellovations, LLC, CorecastWatch, December 2016, [http://forecastwatch.com/static/Three\\_Regional\\_Overview\\_2010\\_201606.pdf](http://forecastwatch.com/static/Three_Regional_Overview_2010_201606.pdf)

2 Ibid, 2016.

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