

The Weather Company data package: Enhanced current conditions

Taking current conditions to the next level of forecasting





PWS #FTW

We have a network of more than 200,000 PWSs around the globe providing hyperlocal, crowdsourced weather data for our industry-leading forecast¹.

While knowing baseline weather conditions is imperative, enhancing those data sets gives not only more information, but can provide better insight into upcoming weather conditions that can affect more than just a daily commute. The Enhanced Current Conditions data package from The Weather Company, an IBM Business, helps ensure that your clients can dig deeper and make more informed decisions every day.

Crowdsourced data bolsters traditional forecasting

Our enhanced data includes one of the highest-resolution weather observation networks in the field based on over 200,000 personal weather stations (PWSs), which rely on individual weather enthusiasts to broadcast their local conditions, and traditional data sources (METAR and SYNOP). It also includes Currents on Demand, an observed conditions data set covering the globe at a 4 km resolution with select variables downscaled to 500 m. Our technology uses this extensive database to infer weather conditions on a point-by-point basis worldwide.

Bringing it all together, our Enhanced Conditions data package makes you the go-to weather source for your clients to help ensure that they are making more informed business decisions.

Enhanced current conditions for hyperlocal forecasts

The Enhanced Current Conditions data package includes the following features:

Currents on Demand – High-resolution, high-temporal current conditions

Current conditions, gridded and polygonal – Gridded current conditions on demand at a 4 km resolution, with relevant temperature, wind and precipitation features

PWS observations – Most recent observations from a global crowdsourced sensor network of more than 200,000 PWSs

PWS recent history – Historical observations that range from five minutes over the last day to daily and hourly historical observations over the last seven days

Location mapping services – 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) and Weather Underground (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



Footnote

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

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