



## Speedwell: The ECMWF Raw Model Output

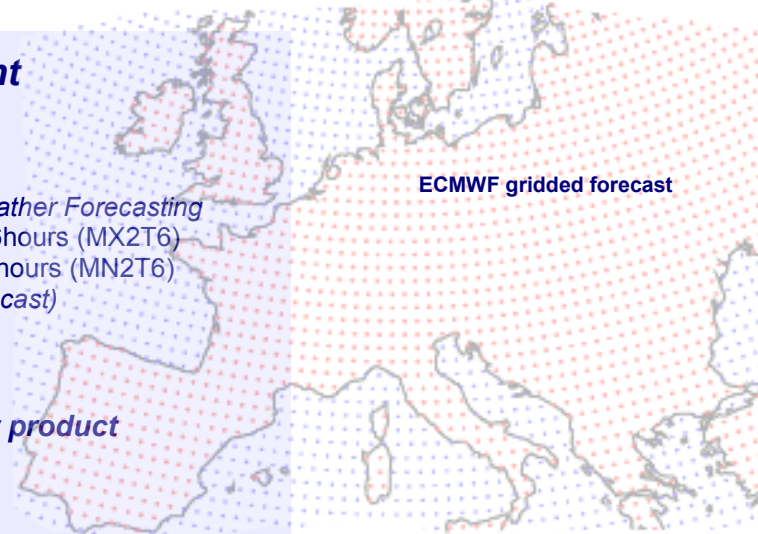
Speedwell is now offering the raw ECMWF 2-meter daily maximum and minimum temperature forecast. This forecast information is extracted directly from the gridded data with no downscaling.

### “Raw Model Output” -> from source to client

#### #1 Access raw model data



Source: European Centre for Medium Range Weather Forecasting  
Parameter: Maximum temperature at 2m in the last 6hours (MX2T6)  
Minimum temperature at 2m in the last 6hours (MN2T6)  
Period: 6-hourly basis for 360 hours (15-day forecast)  
Release: 00 and 12 UTC  
Type: Ensemble Prediction System



ECMWF gridded forecast

#### #2 “Raw model output” conversions for a user friendly product

##### Convert raw model into a station level forecast

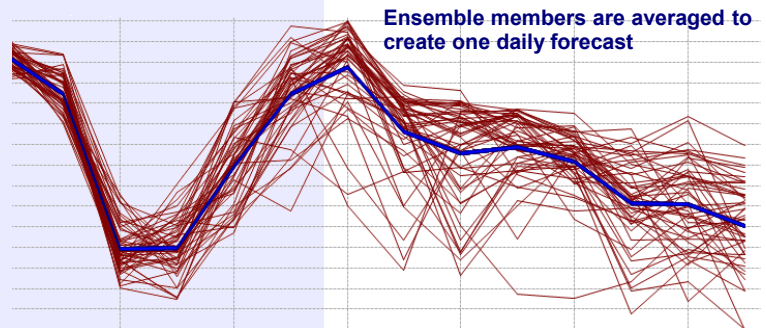
The ECMWF model is released as a global gridded forecast. Forecasts are made for equally spaced positions on the globe. The first stage is to locate the most appropriate “grib point” for a particular forecast site

##### Convert raw model ensemble forecast into one daily forecast

The input for this product is the ECMWF ensemble prediction system. The ensemble forecasting process produces 51 individual gridded forecasts. In order to provide one daily maximum and one daily minimum temperature per day we average the ensemble members to provide one value.

##### Convert raw model slices into a daily forecast

The raw model forecast is produced for 6-hour periods. In order to create a daily forecast it is necessary to convert the 6-hour periods into a daily 24-hour period. The raw model output provided by Speedwell is based upon a 0000 to 2359 local time period.



Ensemble members are averaged to create one daily forecast

#### #3 Client delivery

Method: FTP delivery  
Timing: 5-15 minutes after the last model slice delivery  
Period: 15-day, daily maximum and minimum temperature forecast

#### Pricing & Availability

Any location in the U.S., Canada, and Europe

Subscriptions available on a station-by-station basis with discounted packages available (260 U.S. locations, 100 European locations,...)

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