

FastCast[®] Ultra-Fast Forecast Model Comparison

Frame-by-frame real-time graphical and numerical presentation of the actual and change in forecast (ECMWF and GFS forecast models). Updated as each time step of the model is released.

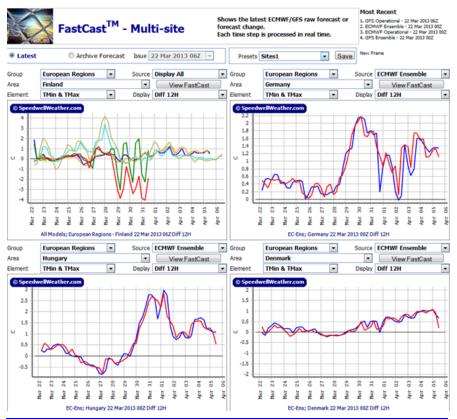
Speed, Speed, Speed,...

The proximity of Speedwell's London office to ECMWF coupled with streamlined model processing on dedicated servers results in fast delivery of ECMWF forecast changes to the market. Client feedback indicates that we are usually ahead of the competition.

The FastCast product has been designed with input from traders. The goal is to present the information rapidly and in a straightforward manner: "warmer or colder...?"

Station Forecasts or Regions

Station forecasts are based upon the model forecast for a particular point on the earth. Regional forecasts combine model outputs within a given geographical area. Regional forecasts include US power regions and European countries.



View Multiple forecast change graphs showing each frame as it arrives in real time. The user can configure and save multiple views choosing eg 12 hour forecast change for four sites or showing the changes in GFS/ECMWF models for a single site

Speedwell Weather Limited

Mardall House 9-11, Vaughan Road, Harpenden, Hertfordshire, AL5 4HU.



Winner

Winner of the best Global Weather Risk Management Advisory / Data Service for

Regional Analysis

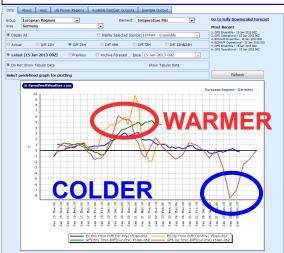
Regional analysis (such as the USA ERCOT region shown below) use a basket of forecast grid points located within a given area.



View the difference between successive model runs or previous runs: Diff 6hr (for GFS only), Diff 12hr, Diff 24hr, Diff 48hr, Diff 72hr

Rapid Updates

The FastCast graph updates automatically as each time step becomes available, frame by frame.



View the differences: ECMWF operational and/or ECMWF ensemble and/or GFS Ensemble and/or GFS Operational, TMax, TMin, TAvg, or Precipitation.

Speedwell FastCast® **Forecast Model Comparison**



Available Stations & Regions

European Regions

Czech Republic Austria Denmark Finland Germany France Greece Hungary Ireland Poland Netherlands Norway Romania Slovakia Spain Sweden Switzerland UK

Specific Sites in European countries

> 100 sites in the following countries:

Austria Czech Republic Denmark Germany **Finland** France Ireland Greece Hungary Netherlands **Norway** Poland Romania Slovakia Spain Sweden Switzerland UK

USA: NERC Power Regions in the USA

ERCOT MAPP NWPP MAIN **SERC CAMX FRCC ECAR NEWE**

SPP **MAAC NYPP** AZNM

Specific Sites in the USA

> 100 sites in all states

CME Weather Contracts Site Packs

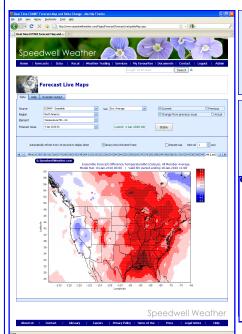
U.S. CMF pean CME

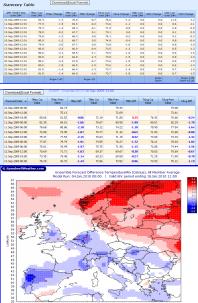
. Canadian CME



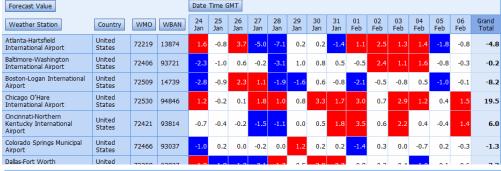
Australian CME

To Complement the FastCast charts, tables and maps are also available: The maps show absolute and forecast change for the Ensemble (average and member 1) as well as the Operational products. The tables present numerically the same information as shown on the FastCast graphs.









Forecast Value				Date Time GMT														
Weather Station	Country	WMO	WBAN	24 Jan	25 Jan	26 Jan	27 Jan	28 Jan	29 Jan	30 Jan	31 Jan	01 Feb	02 Feb	03 Feb	04 Feb	05 Feb	06 Feb	Grand Total
Austria	Austria			0.3	0.4	-0.5	0.0	1.2	0.3	0.4	0.6	0.9	0.7	0.8		0.3	0.5	5.9
Czech Republic	Czech Republic			0.2	0.1	0.7	0.7	1.1	1.0	0.8	0.8	0.2	-0.8	-1.1	-1.4	-1.2	-1.3	-0.2
Denmark	Denmark			0.1	-0.2	-0.1	-0.7	0.2	0.2	0.2	0.0	-0.3	-0.9	-1.7	-1.9	-1.8	-1.9	-8.8
Finland	Finland			0.3	0.4	0.5	0.5	-0.5	-1.4	-3.6	-5.1	-5.9	-5.2	-3.7	-2.7	-2.2	-2.3	-30.9
France	France			0.2	1.4	1.0	-0.6	-0.7	-0.6	0.3	0.6	-0.1	0.0	0.4	0.3	0.1	0.1	2.5
Germany	Germany			0.0	-0.2	-1.2	0.0	0.5	0.4	0.5	0.4	-0.5	-0.8	-1.0	-1.0	-1.2	-1.7	-5.8
Greece	Greece			0.9	0.7	0.5	0.3	0.1	0.6	0.7	0.5	0.2	0.5	0.0	-0.2	-0.4	-0.5	3.9
Hungary	Hungary			0.5	0.8	0.7	0.7	0.6	0.6	0.3	1.1	0.6	-0.4	-0.9	-0.8	-0.5	-0.7	2.6
Ireland	Ireland			1.5	0.1	0.2	0.2	0.6	1.1	0.3	-0.1	-0.4	-0.5	-0.5	-0.2	-0.8	-0.3	1.3
Netherlands	Netherlands			0.0	-0.2	-0 4	0.2	0.5	0.6	0.7	0.1	-N R	-N R	-n q	-17	-1 2	-1.5	-53

See the evolution of the forecast or forecast change frame by frame.

The FastCast Grid updates MULTIPLE sites showing the change in daily TMin and TMax as each day becomes available. The table fills from left to right in real

The FastCast Grid can show specific sites or regions.

Speedwell Weather USA Speedwell Weather Europe

David Whitehead Phil Hayes

David.Whitehead@SpeedwellWeather.com Phil.Hayes@SpeedwellWeather.com

+1 843 737 4843 +44 (0) 1582 465 551