



SWSConnect The web-based weather derivative pricer











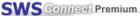


Weather Derivative Pricer Free weather derivative pricer...calculate indicative prices for weather hedges for hundreds of locations worldwide











Weather Derivative Pricer A subscription weather derivative pricer for the professional offering a large range of datasets and offering multiple pricing methods







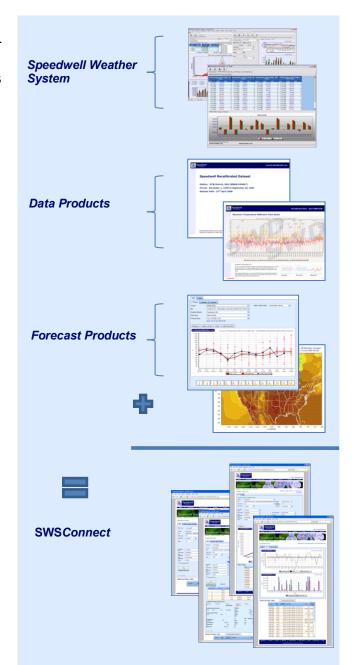
SWS Connect Premium+ **Weather Derivative Pricer**



A sophisticated pricer offering a wide range of pricing methods and combining historical data, data feeds, forecasts and Speedwell Recalibrated data

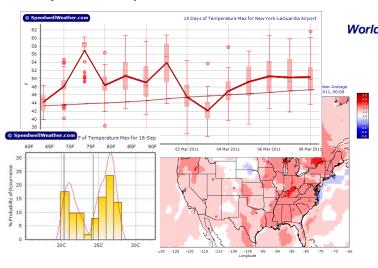


- SWSConnect is a web delivered weather derivatives pricing tool built on the same core SWS components that have been tried and tested in the field since 2002. SWS is the preeminent enterprise weather derivative risk management system offering pricing, weather data management, portfolio management and back office features
- SWSConnect combines Speedwell products from all its business areas into one easy to use package:
 - weather derivative pricing tools
 - historical and Speedwell Recalibrated data
 - forecasts
 - CME Market information
- SWSConnect is easy to use while not compromising on sophistication
- Scalable to meet the users needs.
 - entry-level weather trader
 - companies involved in infrequent transactions
 - individuals looking for a second opinion
 - everyday traders
 - premium version for CME traders

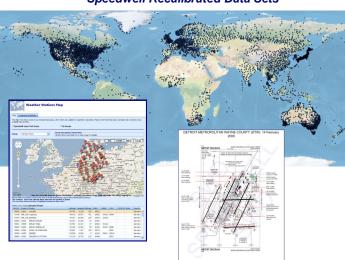


SWSConnect Incorporates:

Fully downscaled-probabilistic forecasts



World wide weather data and .. Speedwell Recalibrated Data Sets

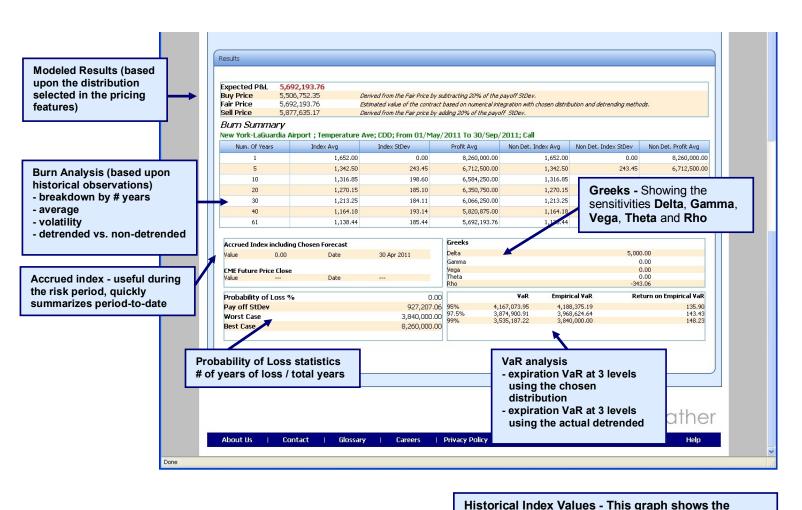


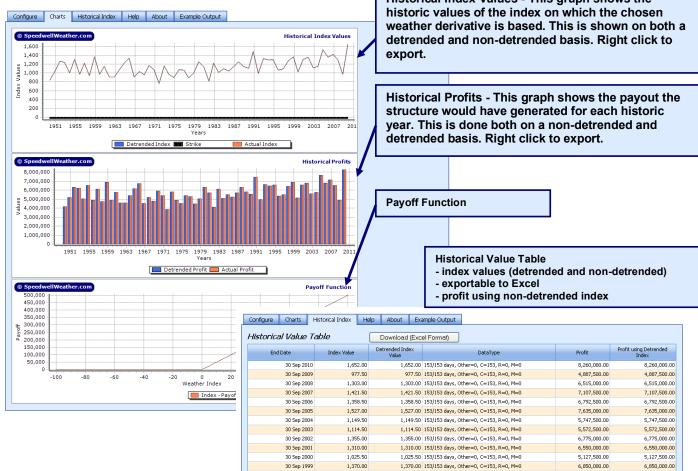
eeuweii **SWSConnect Premium+** Weather **Pricing Tool Features** 🥹 Weather Derivatives Pricer - Actuarial and Historical Pricing with Data Detrending, Forecast and Recalibrated data quality - Speedwell Weather - Mozilla Firefox File Edit View History Bookmarks Tools Help 🔃 🔻 🕻 👔 http://www.speedwellweather.com/Pages/Market/HPricer.aspx?connect=pp ☆ - Google ■ Weather Derivatives Pricer - Actuari... + **Standard Contract Periods:** Speedwell Weather Nov -Mar 2011 May - Sep 2011 May - Sep 2011 Recal | Weather Trading Monthly 1onthly Monthly Derivative Type - Call, Collar, Put, Oct 2011 Apr 2011 Apr 2011 Straddle, Strangle, Swap Nov 2011 May 2011 May 2011 Dec 2011 Jun 2011 Jun 2011 SWSConnect Premium+ Jul 2011 Jul 2011 Jan 2012 CME Sites and 1000's of global eb 2011 Aug 2011 Aug 2011 locations, most variables Mar 2011 Sep 2011 Sep 2011 Historical Index Help About Example Output Price CME, standard contracts est 15 Days Forecast: 22 Feb 2011 - Time: 12 and more exotic OTC structures (includes CME Australian Standard Indexes Contract Spec contracts) May. 1, 2011 United States Start Date - absolute extremes Site New York-LaGuardia Airport End Date Sep. 30, 2011 - HDD / CDD Index Type Temperature Ave - critical events Weather Threshold 65 - cumulative Strike 0 Tick Value 5000 Monetary value per index unit (enter 1 for CME-style tick price) Popular pre-defined models - used for quick Available to Premium Subscribers only. Additional Tools 🕶 Cleaned data or Recalibrated configuration **®**Buy Osell icing Options Standard Models Data Quality Best (exc. Recalibrated) Type of data to be used for pricing Select forecast source + how to Apply different detrending Data Detrending No Detrending Detrending of the meteorological data incorporate the forecast methods either on underlying Final Detrending No Detrending data (important for critical day Forecast used Speedwell ECMWF Ensemble Forecast used in pricing Forecast Period 15 Days Number of days of forecast to use for pricing structures) or on final index, or 80%-20% All Days How the forecast is used Forecast Weight · Index Weight No Specific Weights Applies weights to price using El Nino / La Nina cond Modelina Options Screen analysis for El Nino or La Period All Years Number of years of data for mo Nina years Distribution Normal statistical model for analysis Modelling Options: erride Mean and Vol Mean 0 Vol Choice of Amount paid or received sh Flow 0 multiple alculation Date Feb. 22, 2011 1 > -Allows retrospective pricing distributions Ability to override Mean and Vol and tool to test which is most appropriate **5,692,193.76** 5,506,752.35 xpected P&L (normal, log Derived from the Fair Price by subtracting 20% of the payoff StDev. normal, ir Price 5.692.193.76 Estimated value of the contract based on numerical integration with chosen distribution and detrending methods Derived from the Fair price by adding 20% of the payoff StDev gamma, Burn Summarv kernel, w York-LaGuardia Airport: Temperature Aye: CDD: From 01/May/2011 To 30/Sep/2011; Call kernel trun at 0, weibull, inv. gauss, Non Det. Profit Avg Index StDev Num. Of Years Index Avg Profit Avg Non Det. Index Avg Non Det. Index StDev generalized beta, extreme, 1.652.00 0.00 8.260.000.00 1.652.00 0.00 8.260.000.00 histogram, logistic, laplace,...) 1,342.50 243.45 6,712,500.00 1,342.50 243,45 6,712,500.00 10 1.316.85 198.60 6,584,250.00 1.316.85 198.60 6,584,250.00 1,270.15 185.10 6,350,750.00 1,270.15 185.10 6,350,750.00 20 1,213.25 6,066,250.00 1,213.25 6,066,250.00 184.11 184.11 1,164.18 193.14 5,820,875.00 193.14 5,820,875.00 1,164.18 5,692,193.76 5,692,193.76 Greeks Accrued Index including Chosen Forecast Delta Gamma 5,000.00 0.00 30 Apr 2011 0.00 0.00 EME Future Price Close -343.06 Return on Empirical VaR Empirical VaR Probability of Loss % VaR 0.00 4,167,073.95 3,874,900.91 3,535,187.22 4,188,375.19 3,968,624.64 3,840,000.00 927,207.06 95% 3,840,000.00 97.5% 99% 927,207.06 Pay off StDev Worst Case Best Case 8,260,000.00 Speedwell Weather | Privacy Policy | Terms of Use

SWSConnect Premium+

Results Display







1,277.50

1,277.50 153/153 days, Other=0, C=153, R=0, M=0

1 003 50 153/153 days Other=0 C=153 D=0 M=0

6,387,500.00

5 467 500 00

6,387,500.00

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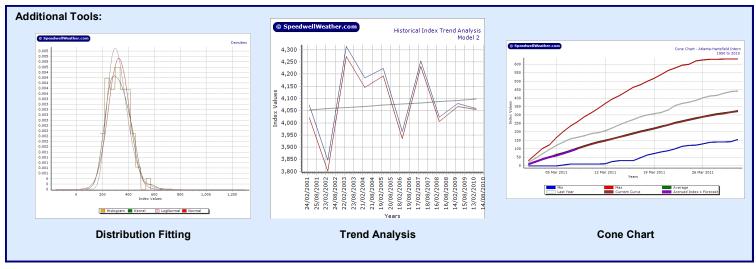
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SWSConnect Premium+

Additional Tools







SWSConnect - Versions



SWS Connect

Weather Derivative Pricer

Free weather derivative pricer...calculate indicative prices for weather hedges for hundreds of locations

Free indicative pricer allowing those looking to hedge weather risk to establish an indicative price

SWS Connect Premium

Weather Derivative Pricer

A subscription weather derivative pricer for the professional offering a large range of datasets and offering multiple pricing methods

Subscription based pricer offering a wide range of pricing, detrending methods and analytical tools



Weather Derivative Pricer

A sophisticated pricer offering a wide range of pricing methods and combining historical data, data feeds, forecasts and Speedwell Recalibrated data

Ideal for those trading the CME weather derivative contract this Subscription integrates of Speedwell fully-downscaled probabilistic forecasts and Speedwell Recalibrated Data Sets.

Version	Features
SWS Connect	 FREE Access to unlimited number of raw historical datasets for indicative weather derivative pricing using up to 10 years of historical data. Pricing of calls and puts only. Summary table of burns and index values (5, 10, years)
SWS Connect PREMIUM	 SWSConnect but with: Access to cleaned data where available. Wider range of index types supported. Wider range of derivative types including collars. Pricing methods available include a wide range of detrending methods, lengths of history used, and distributions. Value-at-risk statistics shown. Full break-down of annual index and payoff values. Choice of detrending methods for both underlying data and/or index. Option to override means and volatilities. Unlimited number of users at a given site.
SWSConnect PREMIUM +	SWSConnect PREMIUM but with: Integration of fully downscaled Speedwell probabilistic forecasts for CME sites. Integration of all available Speedwell Recalibrated Datasets Unlimited number of users at a given site. "CME Futures Value Board" whole-market perspective Index distribution-fitting tool Index detrending tool



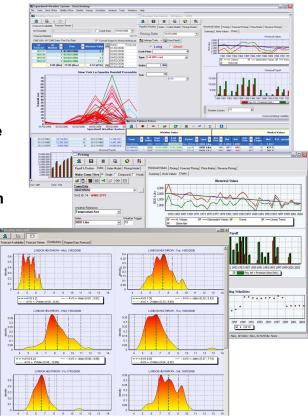
Speedwell Weather System (SWS)



Speedwell Weather System, SWS

For more information on the full, client-installed enterprise version, SWS please contact us.

- SWS Enterprise is a full client-server application offering portfolio risk management and back office tools with full user permissioning
- SWS is an open system supporting multiple data and forecast providers.
- SWS database and components can be called from other systems
- SWS can also be remotely hosted by us for our users.



Contact Us

Regarding software and consultancy services please see www.SpeedwellWeather.com or contact:

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Veronica Chamaedrys ("Speedwell") Known since Roman times as a medicinal herb