



November 2010

EMD International A/S

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3TIER Reference Wind Time-series

Product

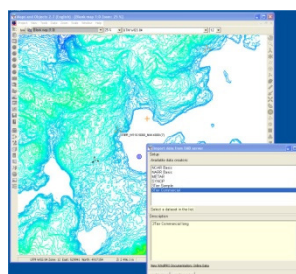
3TIER's Wind Reference Time-series provides 30+ years of data in a 15 km resolution (compared with 200 km resolution from NCAR/NCEP reanalysis) in a near-global coverage and includes hour-by-hour values for: Wind speed and direction for one height (10 to 200 m), temperature at 2 meters and air pressure at 0 meters.

The 3TIER Wind Reference Time-series are typically used as reference data for MCP analysis and to validate and supplement on-site met tower observations.

When you purchase a 3TIER Wind Reference Time-series through EMD, you will receive a coupon code which will give you access to download a time-series for a specific position and at a given height. If you need data from more positions or heights, then you will need to purchase more coupon codes. Each coupon code can only be used once.

Easy, fast, and cost-effective

3TIER reference wind time-series are now integrated directly into WindPRO software version 2.7. Just a few mouse clicks, and your data are ready in the WindPRO Meteo object and thereby ready for use in MCP long term correction. With the coupon code system, it is fast and easy to purchase a set of data.



Check Data before you order

In WindPRO, you can download a 3-month sample of the 3TIER reference wind time-series available for your site for free before ordering. This offers you a unique opportunity to check the quality of a particular reference data set before purchasing a full time-series.

Prices

3TIER Reference Wind Time-series (available with a near-global coverage)		Price
Price for a single time-series: One height (10-200 m) and one position at any location around the globe.		€1,000,-
Discounted prices when purchasing multiple 3TIER Reference Wind Time-series according to the below-mentioned quantities (NOTE: purchased time-series must be used within 12 months after purchase)		
10	Reference Wind Time-series - save 10%	€9,000,-
25	Reference Wind Time-series - save 20%	€20,000,-
50	Reference Wind Time-series - save 30%	€35,000,-
100	Reference Wind Time-series - save 50%	€50,000,-

Above prices do not include Danish VAT, which is only charged for Danish-based customers and EU-based customers not providing information about their local VAT number.

Ordering

Contact the EMD sales department at sales@emd.dk or tel. +45 9635 4444 to order a time series. Alternatively, you can order directly from our homepage at: www.emd.dk/WindPRO/Ordering/. After ordering you will receive an invoice, which you will need to pre-pay. When payment has been registered, you will receive the coupon code(s) by e-mail.



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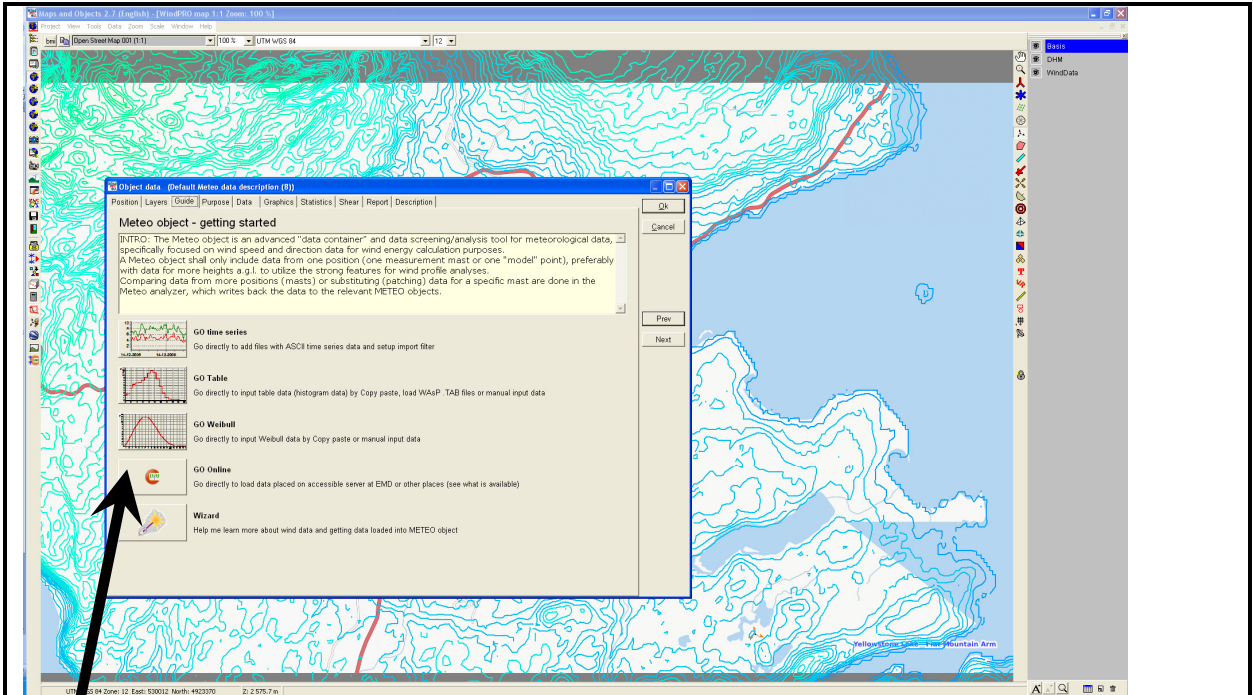
tel.: +45 9635 4444

fax: +45 9635 4446

e-mail: emd@emd.dk

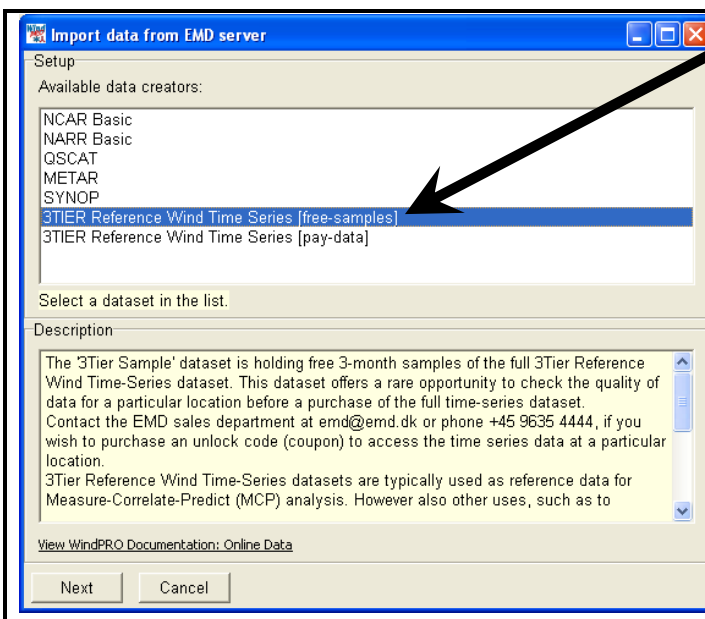
web: www.emd.dk

Guide to download 3TIER sample Data and full Time-series



Step 1:

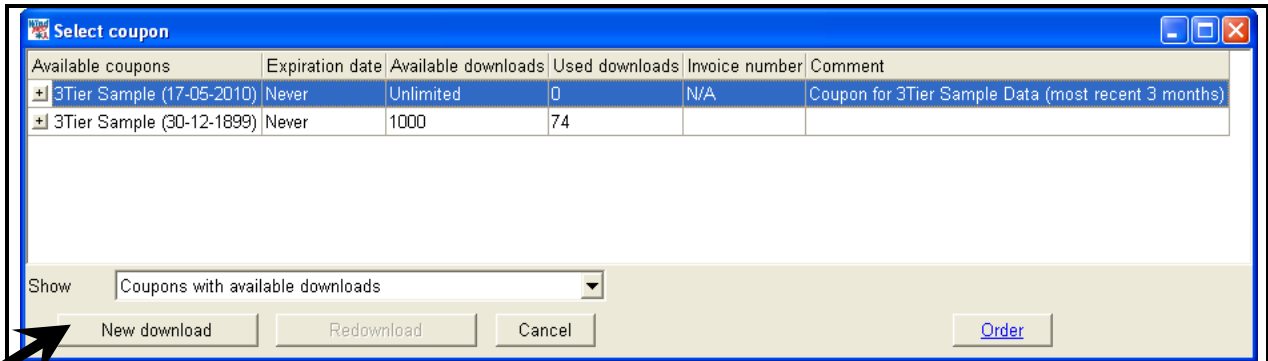
Open a Meteo Object in WindPRO. Place it at the location where you want your data. If you have an on-site meteorological mast, then you may choose to place it directly on top of that mast. Press the 'GO Online' button (black arrow).



Step 2:

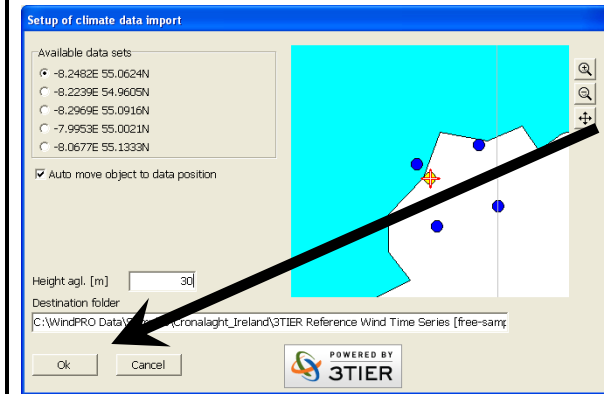
A new window now opens up. Choose either the '3TIER Reference Wind Time Series [free-samples]' or '3TIER Reference Wind Time Series [pay-data]' dataset.

This free sample dataset will hold the recent three months of data.



Step 3:

A list of available coupon codes is now presented (both used and unused). For sample data, you will typically not need to enter a coupon code, but the transaction will take place using the same graphical user interface as if the data had been purchased. The coupon list is linked to your WindPRO user account number and is loaded on demand from the EMD server. Choose an available coupon code for downloading a full time-series. Press the 'New download' button.



Step 4:

A list of the four nearest calculation nodes is now presented along with the actual position of the meteo-object. Choose the node that you want to use. When using 3TIER data, please note, that the on-site node is an interpolation of the four nearby nodes. Enter the height where you want to receive the data.

Click 'Ok' to download the data.

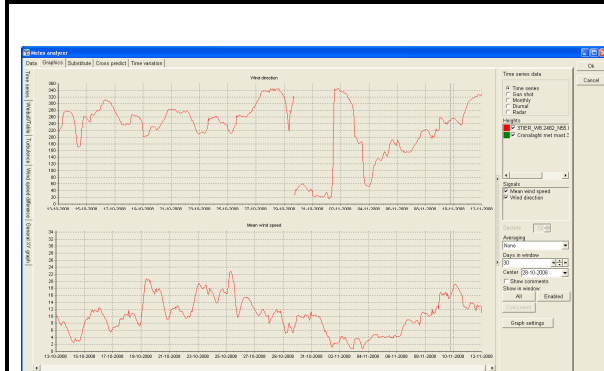


Step 5: (only for full time series)

Enter the coupon code in the new window that now opens.

Press the 'Validate' button in order to begin the transaction.

A validation process is now taking place in order to assure that the coupon code is valid and associated with your WindPRO user account number.



Step 6:

The data is now downloaded from the EMD server. The EMD server connects to the remote server at 3TIER and processes your request. This may take some time, dependent on the speed of your internet connection.

Within a few minutes time, then the data is available directly within the WindPRO meteo object. Use the meteo-analyser to validate against your local measurements.