

# WINDCRANE Wind Data Download

## Log in and select site to download from

Log in to the WINDCRANE portal at <https://user.windcrane.com> using your supplied user name and password.

Click on the name of the site that you want to download data from. This displays the list of WINDCRANE devices on that site (there is often only 1 device per site)

The screenshot shows the WINDCRANE portal interface. At the top, there is a navigation bar with links for Home, Edit User Info, Bookmarks, Help, Contact, and Logout. Below this is a sub-navigation bar with Global Map, Desktop, and Administration buttons. The main content area is titled 'Active Sites Site list' and contains a table with the following data:

Name	TimeZone	Actions
WINDCRANE Demo	Europe/London (GMT+00:00)	[Icons]

A red arrow points to the 'WINDCRANE Demo' site name, and a callout box says 'Click Site name to view Devices'. The page also shows a 'Go to Sensors' and 'Go to Users' button, a search bar for 'Device IMEI/MAC', and a 'Showing page 1 of 1' indicator.

## Select device to download data from

Then click on the device name to see the input ports list for the device

The screenshot shows the 'Active Sites > WINDCRANE Demo Device list' page. It features a table with the following data:

Name	IMEI number	RX Delay	Model	Firmware	Signal	Actions
R&D WeatherStation	580053298978	600 sec.	Windcrane DIN	w1.12.057_ml_a1n	[Signal strength]	[Icons]
WINDCRANE Mini 2890	580052852890	600 sec.	Windcrane	w1.10.044_a1n	[Signal strength]	[Icons]
Liverpool WINDCRANE Mini	580052751258	600 sec.	Windcrane	w1.10.012_a1d	[Signal strength]	[Icons]
Bathgate Demo WINDCRANE	081090888325	600 sec.	Windcrane	w1.12.061_mlnb_a1n	[Signal strength]	[Icons]

A red arrow points to the 'Liverpool WINDCRANE Mini' device name, and a callout box says 'Click Device name to view input ports list'. The page also includes a 'Back' button, a 'Refresh' button, and a 'Showing page 1 of 1' indicator.

## Open plot/export page

Click the bar chart to access the plot and export controls

The screenshot shows the 'Active Sites > WINDCRANE Demo > Liverpool WIN... Input ports list' page. It features a table with the following data:

Name	Port	Current value	Min. to date	Max. to date	Sensor	Actions
Wind Speed	A1	13.36 mph	0 mph	51.44 mph	Windcrane Speed V3 mph	[Icons]

A red arrow points to the 'Wind Speed' port name, and a callout box says 'Click port name or bar chart icon to plot or export data'. The page also includes a 'Back' button, a 'Refresh' button, and a 'Showing page 1 of 1' indicator.

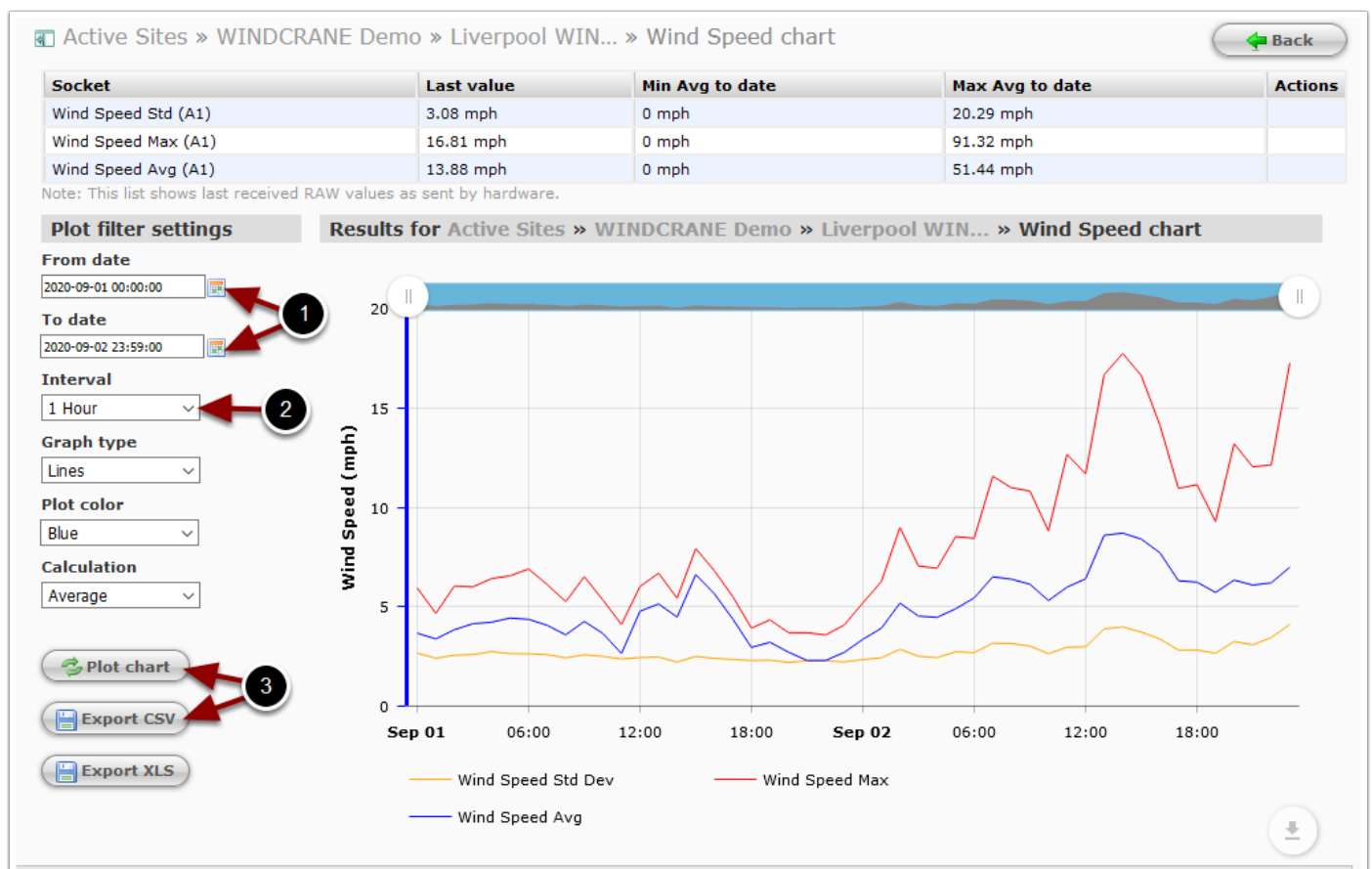
# Specify desired export parameters and export data

1. Click the "From date" calendar icon and select the start date using popup calendar controls. Repeat for the "To date".
2. Select 10-minute interval for best time resolution (suitable for smaller date ranges). If you select hour/day etc you will export hourly/daily averaged values (suitable for large date ranges).
3. Click "Export CSV" (or alternatively XLS) to download a file containing all available data for the selected period. Save the file and open in Excel to see all data. Alternatively, click "Plot chart" to update the on-screen chart.

For wind speed data, you will get 3 values: Average, Maximum (gust) and Standard Deviation (variation/turbulence).

For other sensors like temperature or wind direction, you will get 10-minute average values

Repeat the site/device/port navigation and export for each port that you need to export data for (e.g. wind speed and wind direction on each device).



# Alternatively, use the Chart Wizard to export up to 4 ports in one operation

If you do not need all 3 wind speed values (i.e. you only need average or max/gust speed ) then you can export multiple channels with the Site Comparison tool.

1. Click the "Site comparison" menu item
2. Specify "To" and "From" dates by clicking on the calendar icons and selecting dates, and choose desired interval
3. Select your Group, then Site, then Device, then Port (aka Socket) for Plot 1. For wind speed data, select either "Average" or "Maximum" to get average or max/gust data.
4. Set up Plot 2 in the same way, or copy the settings to the next plot by clicking the green arrow, and ensure the plot is enabled. Repeat for other plots if required.
5. Click Export CSV (or XLS) to download a file containing all available data for the selected period. Alternatively, click "Plot chart" to plot a chart on screen.

Repeat for each device that you need to export data for.

The screenshot shows the 'Site comparison' tool interface. On the left is a sidebar with navigation items: Home, Sites, Tools, Site comparison (highlighted with a red arrow and callout 1), Combined alerts, Alerts Monitor, Wind height calculator, Reports, Quick filters, Bookmarks, Preferences, Help, and Logout. The main area is titled 'Site comparison' and contains the following elements:

- From date:** 2020-09-01 00:00:00 (with a calendar icon)
- To date:** 2020-09-08 23:59:00 (with a calendar icon)
- Interval:** 10 Minutes (dropdown menu)
- Instructions:**
  - You can choose up to four ports to be compared in the graph.
  - Please fill all the fields for each plot.
  - Click in the green arrow to clone the plot configuration into the next column.
- Plots:** Four columns for Plot 1, Plot 2, Plot 3, and Plot 4. Plot 1 and Plot 2 are checked. Plot 3 and Plot 4 are unchecked. Each plot has a green arrow pointing to the next plot.
- Plot 1 Configuration:**
  - Group: Active Sites
  - Site: WINDCRANE Demo
  - Device: Liverpool WINDCRANE
  - Socket: Wind Speed
  - Value: Maximum
  - Plot color: Blue
  - Graph type: Lines
- Plot 2 Configuration:**
  - Group: Active Sites
  - Site: WINDCRANE Demo
  - Device: Bathgate Demo WIND
  - Socket: Wind Speed
  - Value: Maximum
  - Plot color: Red
  - Graph type: Lines
- Plot 3 Configuration:**
  - Group: -- Choose a group --
  - Site: -- Choose a group --
  - Device: -- Choose a group --
  - Socket: -- Choose a group --
  - Value: Average
  - Plot color: Blue
  - Graph type: Lines
- Plot 4 Configuration:**
  - Group: -- Choose a group --
  - Site: -- Choose a group --
  - Device: -- Choose a group --
  - Socket: -- Choose a group --
  - Value: Average
  - Plot color: Blue
  - Graph type: Lines
- Buttons:** 'Draw only one Y axis for all plots', 'Plot chart', 'Export CSV', and 'Export XLS'.