

# WeatherMation LIVE Wind Rose Reports

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## Introduction

Envirodata’s WeatherMation software has been developed to download, display and respond to the weather data from your weather stations, automatically.

WeatherMation’s Reports Module provides your users with extra tools to analyse all of your weather data from each of your connected weather stations. This data is on a Webpage to be accessed via the internet on any browser from a computer.

### Using the System

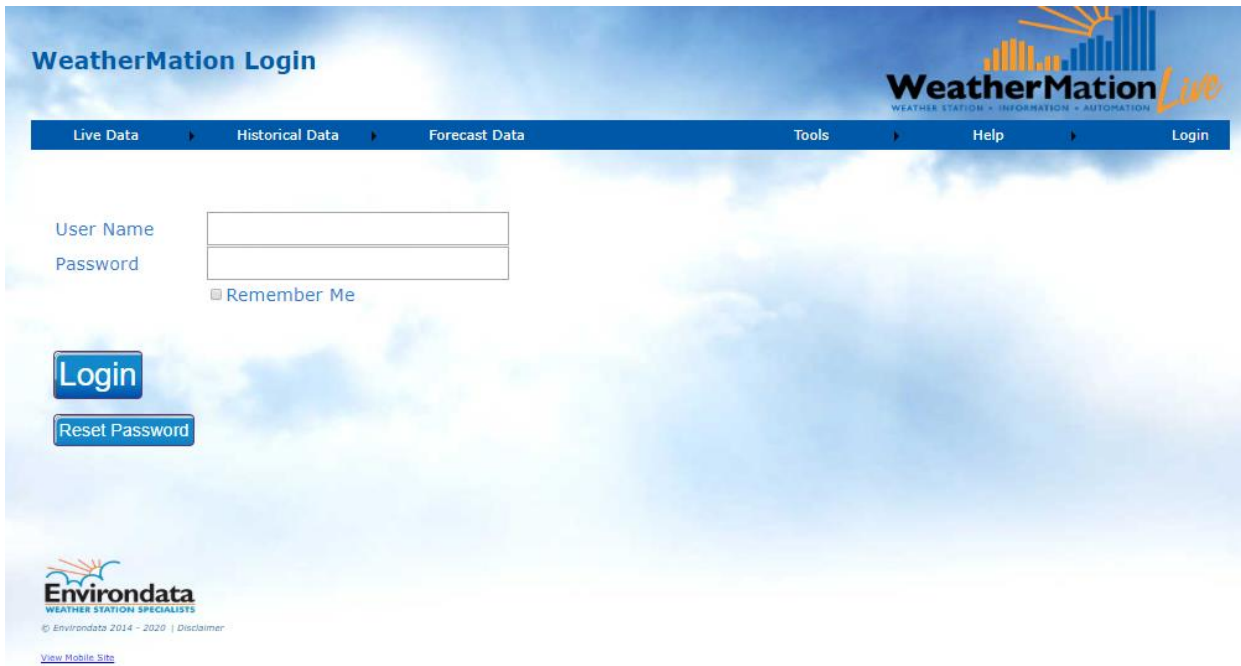
Go to [www.weathermation.net.au](http://www.weathermation.net.au)

You will see the Login Page – please enter your User Name and Password that were provided to you.

You can click the “Remember Me” checkbox to remember your login details – this will mean in future; you are automatically logged into the system. Please note you will need to have cookies enabled in your browser for this to work.

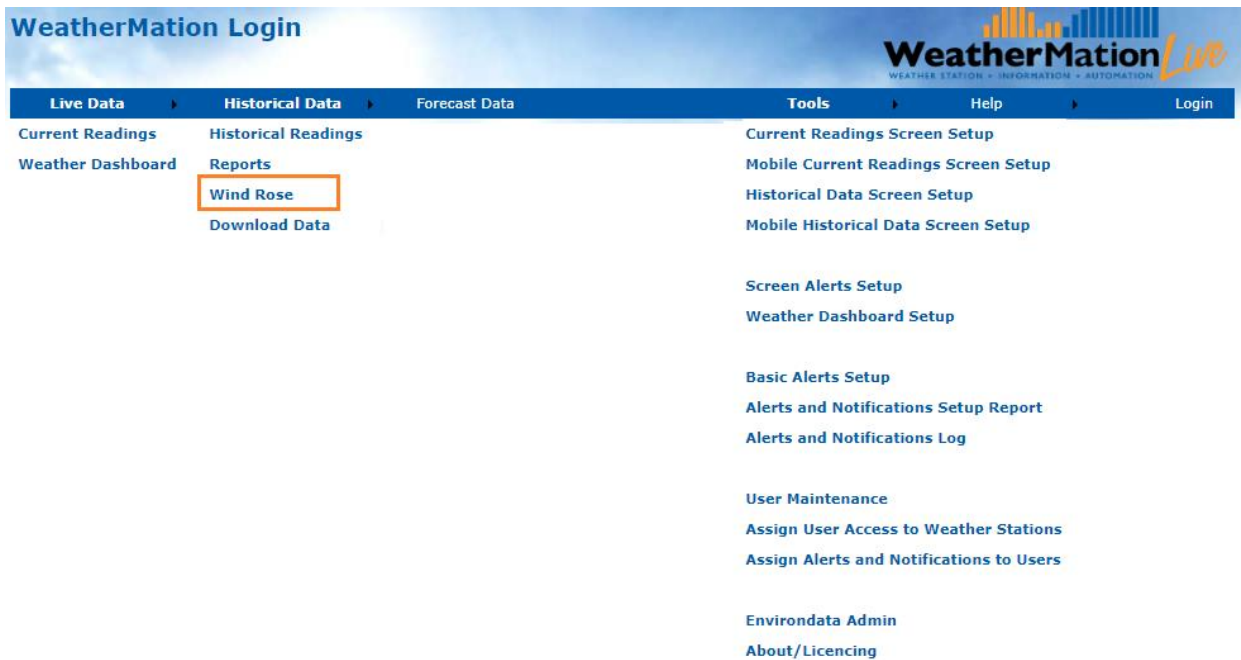
Click on the Login button to access the system

(If you need to change your password, click on the Reset Password button)



## 1. Wind Rose Reports - Specific Menu Options

- **Historical Data**
  - **Wind Rose** – This allows you to setup, save and run Wind Specific Reports based on your historical data. This is **ONLY** available if you have bought the Reports Module and if you have Reporting access.



## **2. Wind Rose Reports**

The Wind Rose Reports displays a Graph and Data about your Wind Speed and Wind Direction combination.

As a user with Reporting permissions, you will be able to view and run Reports, but not be able to save any new or change any existing reports.

As a user with Configuration & Reporting permissions, you will be able to view, run, save, edit and delete reports.

### **Viewing the Wind Rose Reports Page the First Time (without Configuration permissions)**

Viewing the Wind Rose Reports Page for the 1<sup>st</sup> time or while you don't have any SAVED Reports, you will get the Select Report Criteria section.

Here you can select what should be displayed on the Report & RUN the report

### **Viewing the Reports Page the First Time (with Configuration permissions)**

Viewing the Wind Rose Reports Page for the 1<sup>st</sup> time or while you don't have any SAVED Reports, you will get the Select Report Criteria section.

Here you can select what should be displayed on the Report, RUN the report and SAVE the Report for future use.

## What options do I have for viewing a Wind Rose report?

- Period:

*This is the 'timeframe' for the data you want to report on*

- Specific Start and End Dates
- Yesterday
- Last 4 Hours
- Last 8 Hours
- Last 12 Hours
- Last 24 Hours
- Last 7 Days
- Last 30 Days
- Last 90 Days
- Last 180 Days
- Last Year
- Last Full Week
- Last Full Month
- Last Full 4 Months
- Last Full 6 Months
- Last Full 12 Months

- Weather Station:
  - You can select one weather station
- Memory:
  - You can only select ONE Memory per report.
  - Your selection here is important e.g. selecting 'Last X Hours' in your Period, does not make sense if you select Daily Summary. See the *Note* below.
- Wind Direction Sensor:
  - You have to select a Wind Direction Sensor for the report.
- Wind Speed Sensor:
  - You have to select a Wind Speed Sensor for the report.
- Report Type:
  - Graph – this will only display a graph with your data
  - Grid Report – this will display only a table with your data
  - Graph and Grid – this will display a graph and a table report with your data
- Maximum Wind Speed considered "Calm":
  - Enter the Value for which you still consider Wind Speed to be calm. Default is 0.5
- Wind Speed Bin Size:
  - This is the value in which the Wind Speeds will be increased. Default is 1.5

**Note:** Consider the Memory and Period you selected carefully – e.g. If you select 'Daily Summary' (which normally only has records for 9am every day), then selecting last 4 Hours as the Period will only have 1 data record (if you are running the report before 1pm ( 4 hours after 9am)) or it might have no data if you run it after 1pm.

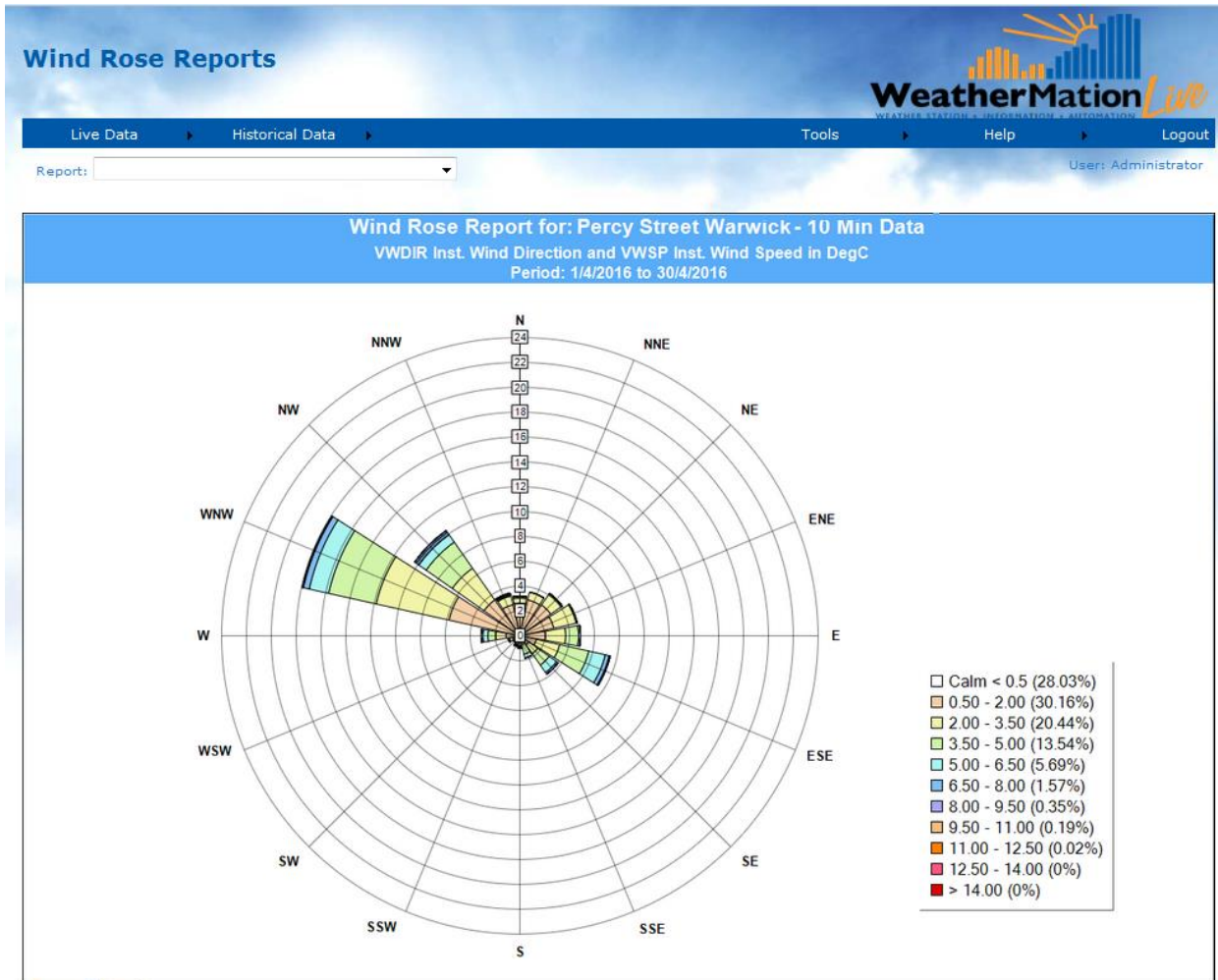
Once you have entered all the Parameters, click the Run Report button to display your report.

The screenshot shows a form titled "Select Report Criteria" with the following fields:

- Period:** Last Full Month (dropdown)
- Weather Station(s):** Percy Street Warwick (dropdown)
- Wind Direction Sensor:** VWDIR Inst. Wind Direction (dropdown)
- Maximum Wind Speed considered 'Calm':** 0.5 (input field)
- Memory:** 10 Min Data (dropdown)
- Wind Speed Sensor:** VWSP Inst. Wind Speed (dropdown)
- Report Type:** Graph and Grid (dropdown)
- Wind Speed Bin Size:** 1.5 (input field)

A "Run Report" button is located at the bottom left of the form.

# a. Running a Wind Rose Report



Previous Next

**Select Report Criteria**

Period: Last Full Month

Weather Station(s): Percy Street Warwick

Wind Direction Sensor: VVDIR Inst. Wind Direction

Maximum Wind Speed considered 'Calm': 0.5

Memory: 10 Min Data

Wind Speed Sensor: VWSP Inst. Wind Speed

Wind Speed Bin Size: 1.5

Report Type: Graph and Grid

Run Report

Wind Rose Report for: Percy Street Warwick 10 Min Data VVDIR Inst. Wind Direction and VWSP Inst. Wind Speed in DegC  
 Period: 1/4/2016 to 30/4/2016

[Download Report Data](#)

Wind Speed Range	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WNW	NW	NNW	Totals	
0.50 - 2.00	2.66	2.96	3.03	2.78	2.06	1.39	0.86	0.23	0.21	0.3	0.21	0.35	1.13	5.86	3.56	2.57	30.16	
2.00 - 3.50	0.37	0.62	1.06	1.85	1.64	1.9	0.93	0.46	0.42	0.23	0.21	0.19	0.79	5.97	3.1	0.69	20.44	
3.50 - 5.00	0.14		0.05	0.07	1.02	2.38	1.06	0.81	0.19	0.16	0.14	0.3	0.62	3.94	2.55	0.12	13.54	
5.00 - 6.50					0.16	1.39	0.74	0.3	0.07			0.05	0.12	0.42	1.62	0.74	0.09	5.69
6.50 - 8.00						0.3	0.14		0.07	0.12		0.02	0.14	0.46	0.23	0.09	1.57	
8.00 - 9.50						0.07	0.02			0.05			0.02	0.05	0.14		0.35	
9.50 - 11.00									0.05	0.05	0.05			0.02	0.02		0.19	
11.00 - 12.50								0.02									0.02	
12.50 - 14.00																	0	
> 14.00																	0	
Totals	3.17	3.59	4.14	4.7	4.88	7.43	3.77	1.81	1	0.9	0.65	0.97	3.12	17.92	10.35	3.56	71.97	
Calms	28.03																	

[Download Report Data](#)

Select your Wind Rose Report Criteria – make sure Report Type is **Graph and Grid**. Then click the Run Report button to display your data in a Graph at the top and a Grid/Table format at the bottom.

### b. Saving a Report

**Note:** Only available if you have Configuration Permissions – if you don't see the button to Save a Report, please contact your Administrator User to save the Report for you.

To save a report, click the Save Report button.

The screenshot shows a web interface for configuring a report. It includes several dropdown menus and input fields. The 'Period' is set to 'Last Full Month', 'Weather Station(s)' to 'TEST Percy Street', 'Wind Direction Sensor' to 'VWDIR Inst. Wind Direction', and 'Maximum Wind Speed considered 'Calm'' to '0.5'. On the right side, 'Memory' is '10 Min Data', 'Wind Speed Sensor' is 'VWSP Inst. Wind Speed', 'Wind Speed Bin Size' is '1.5', and 'Report Type' is 'Graph and Grid'. At the bottom, there is a 'Report Name' field containing 'Last Full Month Wind Rose - 10 Min Dat' and two buttons: 'Save Report' and 'Delete Report'. A 'Run Report' button is also visible above the 'Save Report' button.

### c. Edit a Report

**Note:** Only available if you have Configuration Permissions, otherwise please contact your Administrator User to edit and save the Report for you.

To edit a report, select the Report from the Report list. You can make any changes to the Report Selection Criteria and Run the Report.

- Save Current Report – Click the Save Report button – edits the current report
- Save NEW Report – Change the Report Name in the Report Name field and click the Save Report button. Both old and new reports are available.

This is an identical screenshot of the 'Select Report Criteria' form as shown above. It displays the same configuration options: 'Last Full Month' for Period, 'TEST Percy Street' for Weather Station(s), 'VWDIR Inst. Wind Direction' for Wind Direction Sensor, '0.5' for Maximum Wind Speed considered 'Calm', '10 Min Data' for Memory, 'VWSP Inst. Wind Speed' for Wind Speed Sensor, '1.5' for Wind Speed Bin Size, and 'Graph and Grid' for Report Type. The Report Name field contains 'Last Full Month Wind Rose - 10 Min Dat' and the 'Save Report' and 'Delete Report' buttons are present.



## d. Delete a Report

**Note:** Only available if you have Configuration Permissions – if you don't see the section to Delete a Report, please contact your Administrator User to delete the Report for you.

To delete a report, select the Report from the Report list and click the Delete Report button.

Select Report Criteria

Period  
Last Full Month

Weather Station(s)  
TEST Percy Street

Wind Direction Sensor  
VWDIR Inst. Wind Direction

Maximum Wind Speed considered 'Calm'  
0.5

Memory  
10 Min Data

Wind Speed Sensor  
VWSP Inst. Wind Speed

Wind Speed Bin Size  
1.5

Report Type  
Graph and Grid

Run Report

Save Report

Report Name Last Full Month Wind Rose - 10 Min Dat Save Report Delete Report

## e. Running a SAVED Report

All of your Company's Saved Reports will be displayed for selection in the Report list. You can select any report in order to run it.

You can make changes to the Report Criteria and Run the report again – this will NOT save the report with the new criteria.

