

WeatherMation LIVE

Wind Rose Reports

Version 2.2
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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

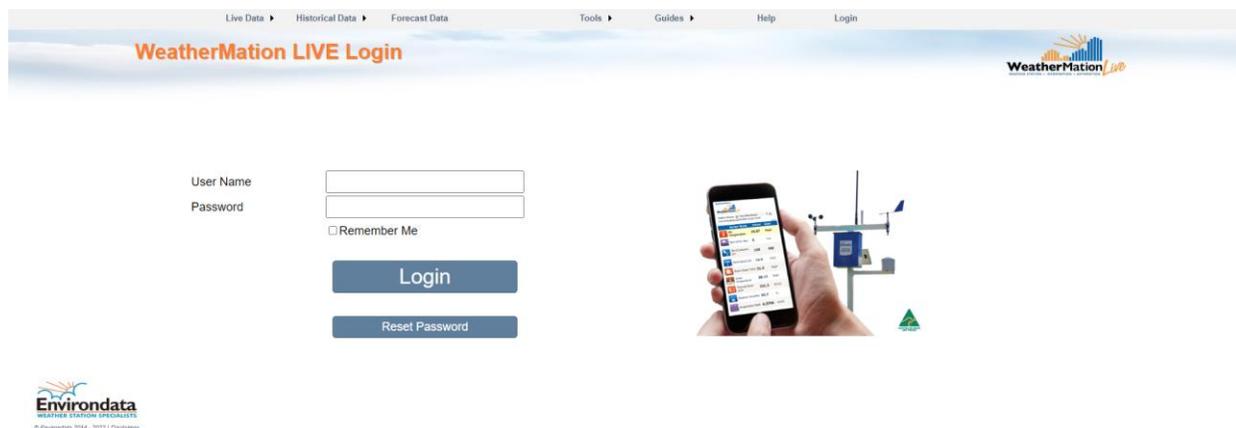
Go to www.weathermation.net.au

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.

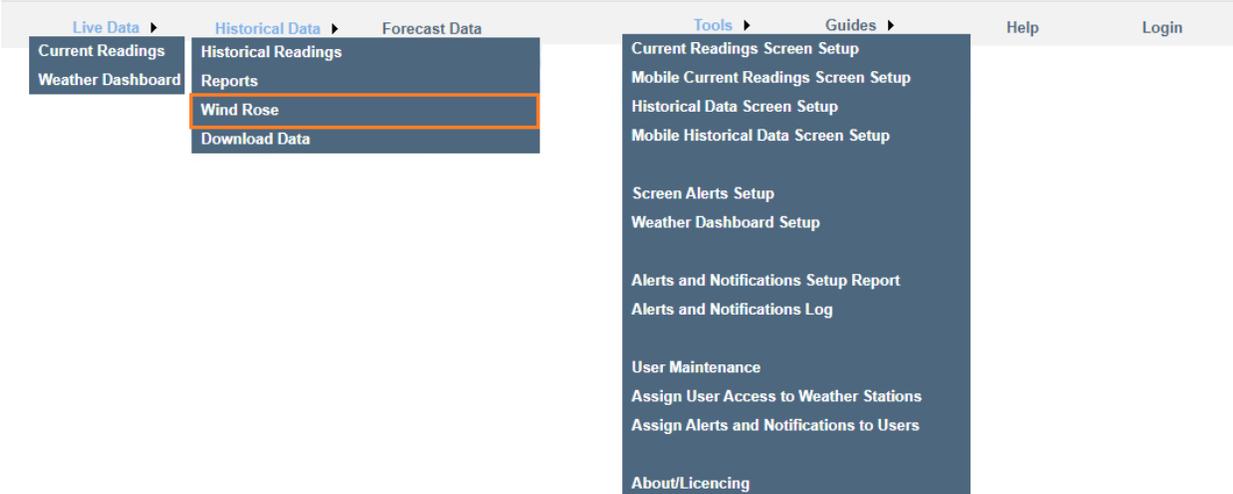
Click on the Login button to access the system

(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 1st 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 1st 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 web form titled "Select Report Criteria" with the following fields and options:

- Period:** Last 180 Days (dropdown)
- Weather Station:** Percy Street Warwick (dropdown)
- Wind Direction Sensor:** VWDIR Vector Wind Dir (dropdown)
- Maximum Wind Speed considered 'Calm':** 0.5 (input field)
- Memory:** Daily Summary (dropdown)
- Wind Speed Sensor:** VWSP Vector Wind Spd (dropdown)
- Wind Speed Bin Size:** 1.5 (input field)
- Report Type:** Graph and Grid (dropdown)
- Display Wind Direction:** Direction the Wind is Blowing To (dropdown)

At the bottom of the form, there are three buttons: "Run Report", "Save Report", and "Delete Report". Below the buttons, there is a "Report Name" field containing the text "Last 180 Days Wind".

a. Running a Wind Rose Report

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.

Live Data ▶ Historical Data ▶ Forecast Data
Tools ▶ Guides ▶ Help
Logout

Wind Rose Report

Report: Last 180 Days Wind

WeatherMation
User: Environdata Test
Report Generated on: 2022/09/20 08:12

Wind Rose Report for: Percy Street Warwick - Daily Summary
VWDIR Vector Wind Dir and VWSP Vector Wind Spd in km/h
Period: 24/03/2022 to 20/09/2022
Direction the Wind is Blowing To

- Calm < 0.5 (2.22%)
- 0.50 - 2.00 (14.44%)
- 2.00 - 3.50 (11.67%)
- 3.50 - 5.00 (17.22%)
- 5.00 - 6.50 (19.44%)
- 6.50 - 8.00 (6.11%)
- 8.00 - 9.50 (9.44%)
- 9.50 - 11.00 (3.33%)
- 11.00 - 12.50 (6.67%)
- 12.50 - 14.00 (4.44%)
- > 14.00 (5%)

Previous Next Save Report as PDF

Select Report Criteria

Period: Last 180 Days

Weather Station: Percy Street Warwick

Wind Direction Sensor: VWDIR Vector Wind Dir

Maximum Wind Speed considered 'Calm': 0.5

Memory: Daily Summary

Wind Speed Sensor: VWSP Vector Wind Spd

Wind Speed Bin Size: 1.5

Report Type: Graph and Grid

Display Wind Direction: Direction the Wind is Blowing To

Run Report

Save Report

Report Name: Last 180 Days Wind Save Report Delete Report

Wind Rose Report for: Percy Street Warwick - Daily Summary
VWDIR Vector Wind Dir and VWSP Vector Wind Spd in km/h
Period: 24/03/2022 to 20/09/2022
Direction the Wind is Blowing To

Save Report as PDF Download Report Data

Wind Speed Range	N	NNE	NE	ENE	E	ESE	SE	SSE	S	SSW	SW	WSW	W	WWW	NW	NNW	Total
0.50 - 2.00	0.56	0.56	1.67	3.33	1.11	1.67	1.11	0.56					0.56	1.11	2.22		14.44
2.00 - 3.50	0.56	0.56	0.56	1.11	2.22	0.56	1.11	1.11					0.56	0.56	2.22	0.56	11.67
3.50 - 5.00	0.56	0.56		1.11	1.67	1.11	3.33		0.56			1.11	1.67	1.67	3.33	0.56	17.22
5.00 - 6.50				2.22	3.89	2.22	0.56	0.56	0.56				0.56	1.67	7.22		19.44
6.50 - 8.00				0.56	1.67	1.67							0.56	1.67			6.11
8.00 - 9.50				1.11		1.11								0.56	6.67		9.44
9.50 - 11.00					0.56										2.78		3.33
11.00 - 12.50					1.11										5.56		6.67
12.50 - 14.00														0.56	3.89		4.44
> 14.00															5		5
Total	1.67	1.67	2.22	9.44	12.22	8.33	6.11	2.22	1.11	0	0	1.11	3.33	6.67	40.56	1.11	97.78
Calm	2.22																2.22

Save Report as PDF Download Report Data

Weather Station: WMA031
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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 form titled "Select Report Criteria". It contains several sections:

- Period:** A dropdown menu set to "Last 180 Days".
- Weather Station:** A dropdown menu set to "Percy Street Warwick".
- Wind Direction Sensor:** A dropdown menu set to "VWDIR Vector Wind Dir".
- Maximum Wind Speed considered 'Calm':** An input field with the value "0.5".
- Memory:** A dropdown menu set to "Daily Summary".
- Wind Speed Sensor:** A dropdown menu set to "VWSP Vector Wind Spd".
- Wind Speed Bin Size:** An input field with the value "1.5".
- Report Type:** A dropdown menu set to "Graph and Grid".
- Display Wind Direction:** A dropdown menu set to "Direction the Wind is Blowing To".

At the bottom of the form, there are three buttons: "Run Report", "Save Report", and "Delete Report". Below the buttons is a "Save Report" section with a "Report Name" input field containing "Last 180 Days Wind".

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 described above. It shows the same configuration options: Period (Last 180 Days), Weather Station (Percy Street Warwick), Wind Direction Sensor (VWDIR Vector Wind Dir), Maximum Wind Speed considered 'Calm' (0.5), Memory (Daily Summary), Wind Speed Sensor (VWSP Vector Wind Spd), Wind Speed Bin Size (1.5), Report Type (Graph and Grid), and Display Wind Direction (Direction the Wind is Blowing To). The "Save Report" section at the bottom shows the "Report Name" field with the value "Last 180 Days Wind".

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 180 Days

Weather Station: Percy Street Warwick

Wind Direction Sensor: VWDIR Vector Wind Dir

Maximum Wind Speed considered 'Calm': 0.5

Memory: Daily Summary

Wind Speed Sensor: VWSP Vector Wind Spd

Wind Speed Bin Size: 1.5

Report Type: Graph and Grid

Display Wind Direction: Direction the Wind is Blowing To

Run Report

Save Report

Delete Report

Report Name: Last 180 Days Wind

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.

Live Data | Historical Data | Forecast Data | Tools | Guides | Help

Wind Rose Report

Report: Last 180 Days Wind

- Last 180 Days Wind
- Last Full Month Wind Rose
- Last Full Month Wind Rose - 10 Min Data
- Wind Rose for Yesterday

Wind Rose Report for: Percy Street Warwick - Daily Summary

VWDIR Vector Wind Dir and VWSP Vector Wind Spd in km/h
Period: 24/03/2022 to 20/09/2022
Direction the Wind is Blowing To