

# WeatherMation LIVE Report Module

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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.

Click on the Login button to access the system

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

**WeatherMation Login**

Live Data ▶ Historical Data ▶ Tools ▶ Help ▶ Login

User Name

Password

Login

Reset Password

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## 1. Reports Specific Menu Options

- **Live Data**
  - **Weather Dashboard** - displays a customized report based on Current Readings Graphs, Historical Data Graphs or Current Values from your weather station. You can include multiple weather stations on 1 report. This is **ONLY** available if you have purchased the Reports Module.
- **Historical Data**
  - **Reports** – This allows you to setup, save and run reports based on your historical data. This is **ONLY** available if you have bought the Reports Module and if you have Reporting permission.
  - **Wind Rose** - This allows you to set up, save and run Wind Rose reports based on your historical data. This is **ONLY** available if you have bought the Reports Module and if you have Reporting permission.
- **Tools**
  - **Weather Dashboard Setup**– You can customize your Weather Dashboard Reports page. This is **ONLY** available if you have bought the Reports Module and if you have configuration permission.

## 2. Weather Dashboard

### Using the Weather Dashboard Page

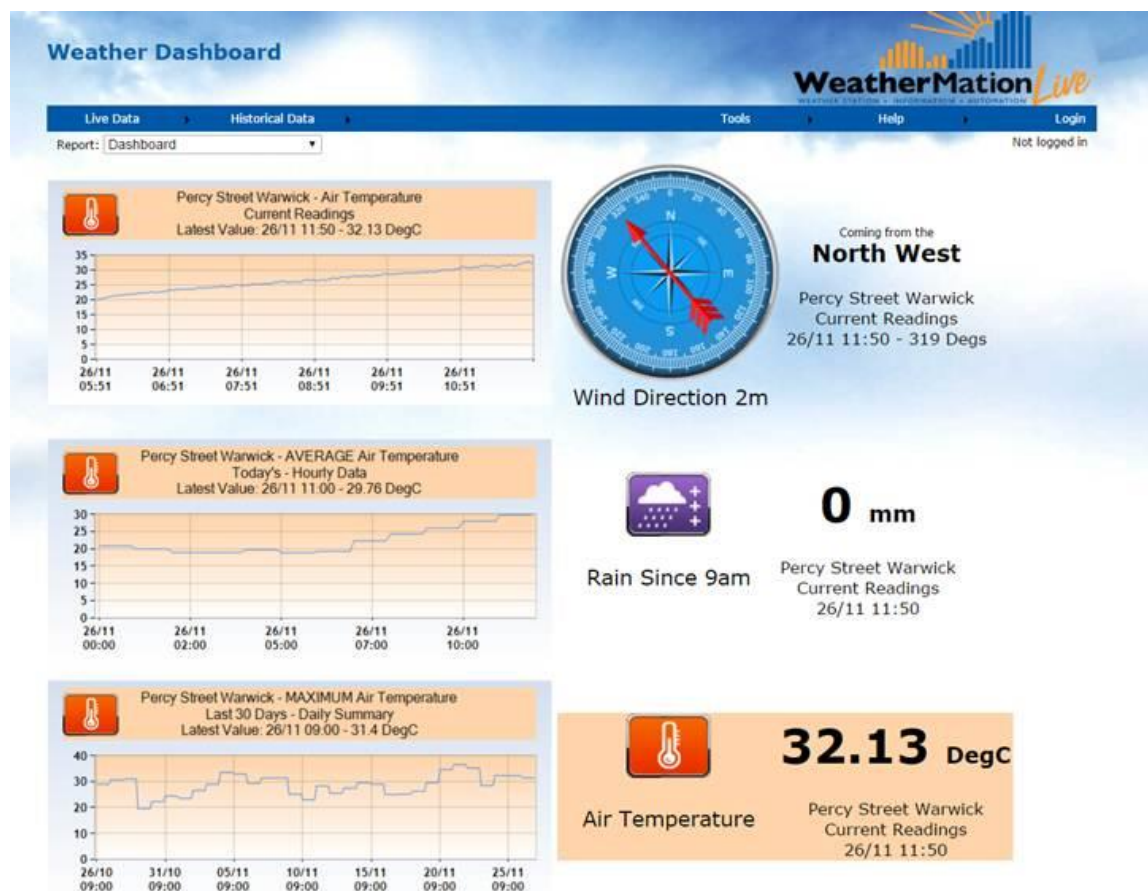
If your user has permission to do configuration, they can setup different Dashboard Reports. Each report can have up to 12 Graphs, Wind Compasses or Latest Values – based on Current or Historical Data.

You can display multiple sensors from multiple weather stations on each Dashboard Report. Please see Section 3 on how to customize and save these reports.

If you have more than one Weather Dashboard Report set up, you can select which Report to display by clicking the arrow on the drop-down box and selecting your chosen Report.

#### Notes:

You may have the optional Alerts & Notifications Module and have On-Screen Alerts setup. E.g. Air Temperature in the below image has an orange background to indicate the temperature has reached the settings to display a yellow background. 7 settings per sensor are possible.



### 3. Weather Dashboard Setup

#### Weather Dashboard Setup Screen

The Weather Dashboard Setup Screen allows you to setup which sensors from which weather station you would like to be displayed on Weather Dashboard Report. You can also select in which order they will appear and what type of graph you'd like for them. Only a user assigned layout setup access will be able to make these changes.

You are able to create and save multiple Dashboard Reports.

#### Creating a NEW Weather Dashboard Report

Enter a Name for your New Report in the Report Name field.

*Login Required to Run this Report:*

1. If you have chosen to have your sites secure, and require your users to login to access your weather stations, then this field should be ticked in order to keep your data secure.
2. If you have chosen to NOT have a login for your weather stations and they are publicly viewable, then leave this box un-ticked to make this report publicly viewable or tick this box to make the report secure and require a login to view.

**Weather Dashboard Setup**

WeatherMation Live  
WEATHER STATION • INFORMATION • AUTOMATION

Live Data | Historical Data | Tools | Help | Logout

User: Jolinda Murray

Report: - Create a New Report -

Report Name:

☒ Login Required to Run this Report

Weather Station: - Select a Weather Station -

Memory:

Sensor:

Type of Display:

Weather Station: - Select a Weather Station -

Memory:

Sensor:

Type of Display:

Weather Station: - Select a Weather Station -

Memory:

Sensor:

Type of Display:

Weather Station: - Select a Weather Station -

Memory:

Sensor:

Type of Display:

Weather Station: - Select a Weather Station -

Memory:

Sensor:

Type of Display:

Weather Station: - Select a Weather Station -

Memory:

Sensor:

Type of Display:

Weather Station: - Select a Weather Station -

Memory:

Sensor:

Type of Display:

You have the option to display up to 12 item per Dashboard Report, so for each graph:

- If you have more than 1 weather station linked to this software, you can select which weather station's data to display by clicking the arrow on the drop-down box and selecting a different weather station.
- Select which Memory you'd like to display – Current Data of Historical Data like Daily Summary or Hourly Data etc.
- All Sensors that are AVAILABLE to be selected to be displayed on the Sensor Drop-down box, select one by clicking on it.
- Then select what type of Graph you'd like to display – BAR or LINE or LATEST VALUE. For Wind Direction sensors, you will have an added option to display a COMPASS. (Latest Value will display the last value received from the Weather Station)

Click on the Save Report button to save this Dashboard Report.

## **Deleting a Weather Dashboard Report**

N.B. Weather Dashboard reports can be edited or deleted by the original creator, only.

In order to delete a Dashboard Report, select the Dashboard Report clicking the arrow on the drop-down box and selecting the Report.

Then click the Delete Report button.

## **Editing/Changing a Weather Dashboard Report**

N.B. Weather Dashboard reports can be edited or deleted by the original creator, only.

In order to edit a Dashboard Report, select the Dashboard Report clicking the arrow on the drop-down box and selecting the Report.

If you'd like to make changes to the Dashboard Report and save it with a NEW Name, enter a NEW Name in the Report Name field. This will save the NEW Report with a different name AND keep the original report.

Once you have made the changes, click the Save Report Layout button to save the report.

## 4. Reports

The Reports option gives you multiple ways to view and analyse your weather station's historical data.

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 Reports Page the First Time (without Configuration permissions)

Viewing the 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

The screenshot shows the 'Reports' page of the WeatherMation LIVE system. The page has a blue header with the 'WeatherMation LIVE' logo and navigation links: 'Live Data', 'Historical Data', 'Tools', 'Help', and 'Logout'. The user is identified as 'User: Jolinda Murray'. Below the header, there is a 'Report:' dropdown menu. The main section is titled 'Select Report Criteria' and contains several input fields and buttons. On the left, there is a 'Period' dropdown set to 'Specific Start and End Dates', a 'Weather Station(s)' text area, a 'Report Type' dropdown set to 'Graph', and a 'Lower Guide' section with 'Value' and 'Text' inputs and a 'Colour' dropdown set to 'White'. In the center, there is a 'Start Date and Time' section with a date/time picker set to '00:00', a 'Memory' text area, a 'Graph Type' dropdown set to 'Line', and an 'Upper Guide' section with 'Value' and 'Text' inputs and a 'Colour' dropdown set to 'White'. On the right, there is an 'End Date and Time' section with a date/time picker set to '00:00', a 'Sensor(s)' text area, a checked 'Auto Y-Axis Scale' checkbox, and 'Min Value' and 'Max Value' input fields. At the bottom left, there is a 'Run Report' button.

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

Viewing the 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.

This screenshot is identical to the one above, showing the 'Select Report Criteria' section of the WeatherMation LIVE Reports page. However, it includes additional buttons at the bottom: a 'Save Report' button, a 'Delete Report' button, and a 'Report Name' text input field.



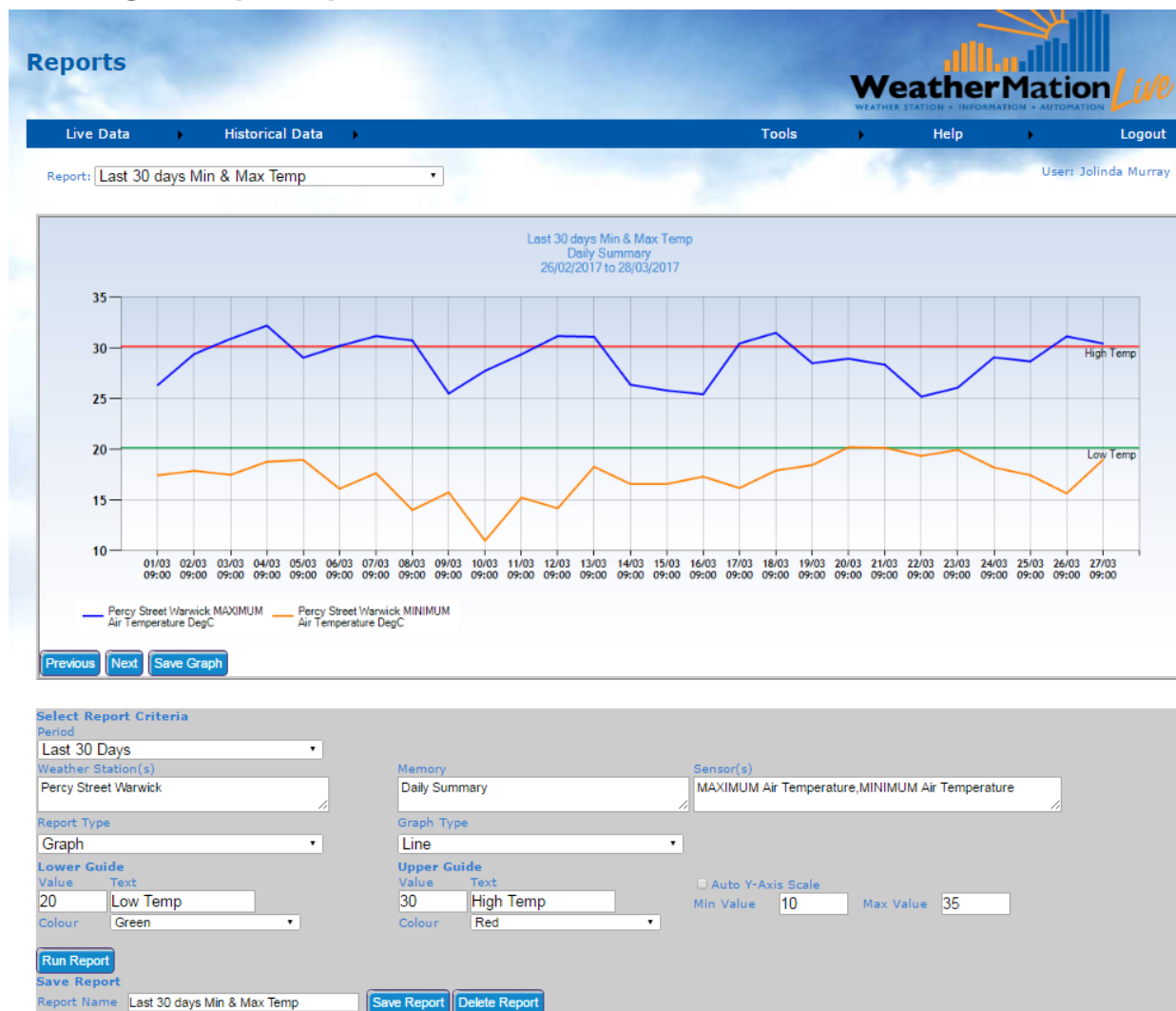
## What options do I have for viewing a report?

- 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
  - Summary To Date
  - Summary By Month
  - Summary By Quarter
- Weather Station(s):
  - You can select one or more of your weather stations
- 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.
- Sensor(s):
  - You can select one or more Sensors 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
- Graph Type:
  - Line Graph
  - Bar Graph
- Lower and Upper Guides:
  - Value – the value of where the guide will be on the graph
  - Text – A label that will be displayed on the graph
  - Colour – Select a colour for the guide
- Auto Y-Axis Scale:
  - Checked allows you to set a specific Min and Max Value for the Vertical Y-Axis Scale

**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 Report Parameters, click the Run Report button to display your report.

## Running a Graph Report



Select your Report Criteria – make sure Report Type is **Graph**. Then click the Run Report button to display your Graph.

In this example we are displaying a Graph for one Weather Station (Percy Street Warwick) for its Max and Min Air Temperature. Data is based on Daily Summary data over the last 30 Days.

It also uses the Guide Lines with labels and the Y-Axis is from 10-35 Degrees C

### Specific Options on a Graph:

- Previous – this will display the Data for the Previous Period e.g. previous 30 days in this case.
- Next - this will display the Data for the Next Period.
- Save Graph – this will save a .png file of the Graph to your PC or device.

## Running a Grid Report

The screenshot shows the 'Reports' section of the WeatherMation LIVE interface. The 'Report' dropdown is set to 'Last 24 hours Wind Speed 10m and 2m'. The 'User' is Jolinda Murray. The 'Select Report Criteria' section includes:

- Period:** Last 24 Hours
- Weather Station(s):** Percy Street Warwick
- Report Type:** Grid Report
- Memory:** Hourly Data
- Sensor(s):** MAXIMUM Wind Speed 10m, MAXIMUM Wind Speed 2m
- Graph Type:** Line
- Lower Guide:** Value and Text fields, Colour: White
- Upper Guide:** Value and Text fields, Colour: White, Auto Y-Axis Scale checked, Min Value and Max Value fields.

Buttons include 'Run Report', 'Save Report', and 'Delete Report'. The 'Report Name' is 'Last 24 hours Wind Speed 10m and 2m'. A 'Download Report Data' button is also present.

Site Name	Date	MAXIMUM Wind Speed 10m - km/h	MAXIMUM Wind Speed 2m - km/h
Percy Street Warwick	27/03/2017 11:00:00 AM	19.4	14.99
Percy Street Warwick	27/03/2017 12:00:00 PM	17.69	12.45
Percy Street Warwick	27/03/2017 1:00:00 PM	15.91	11.62
Percy Street Warwick	27/03/2017 2:00:00 PM	15.03	9.68
Percy Street Warwick	27/03/2017 3:00:00 PM	13.9	10.09
Percy Street Warwick	27/03/2017 4:00:00 PM	14.67	11.74
Percy Street Warwick	27/03/2017 5:00:00 PM	16.21	13.1
Percy Street Warwick	27/03/2017 6:00:00 PM	12.48	7.67
Percy Street Warwick	27/03/2017 7:00:00 PM	6.45	3.66
Percy Street Warwick	27/03/2017 8:00:00 PM	5.97	2.77
Percy Street Warwick	27/03/2017 9:00:00 PM	5.44	2.01
Percy Street Warwick	27/03/2017 10:00:00 PM	5.32	3.01

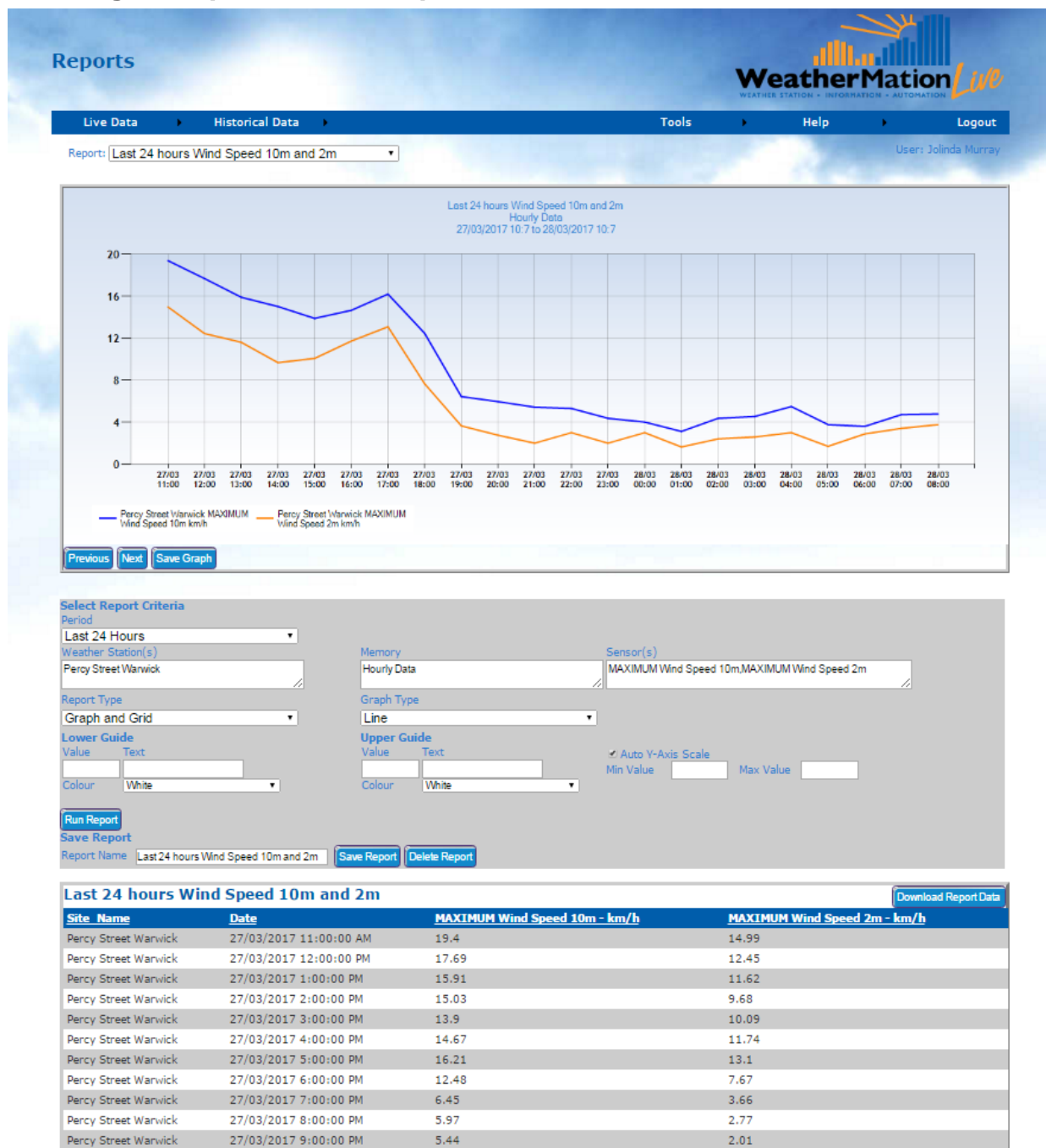
Select your Report Criteria – make sure Report Type is **Grid Report**. Then click the Run Report button to display your data in a Grid/Table format.

In this example we are displaying a Table for One Weather Station (Percy Street Warwick) for its Maximum Wind Speed at 2M and at 10M. Data is based on Hourly data over the last 24 Hours.

### Specific Options on a Grid Report:

- Download Report Data – this will save a Comma Separated File (csv) of all the data in this Report to your PC or device. You can then open this file either in Excel or in any other text editor like Word or Notepad.

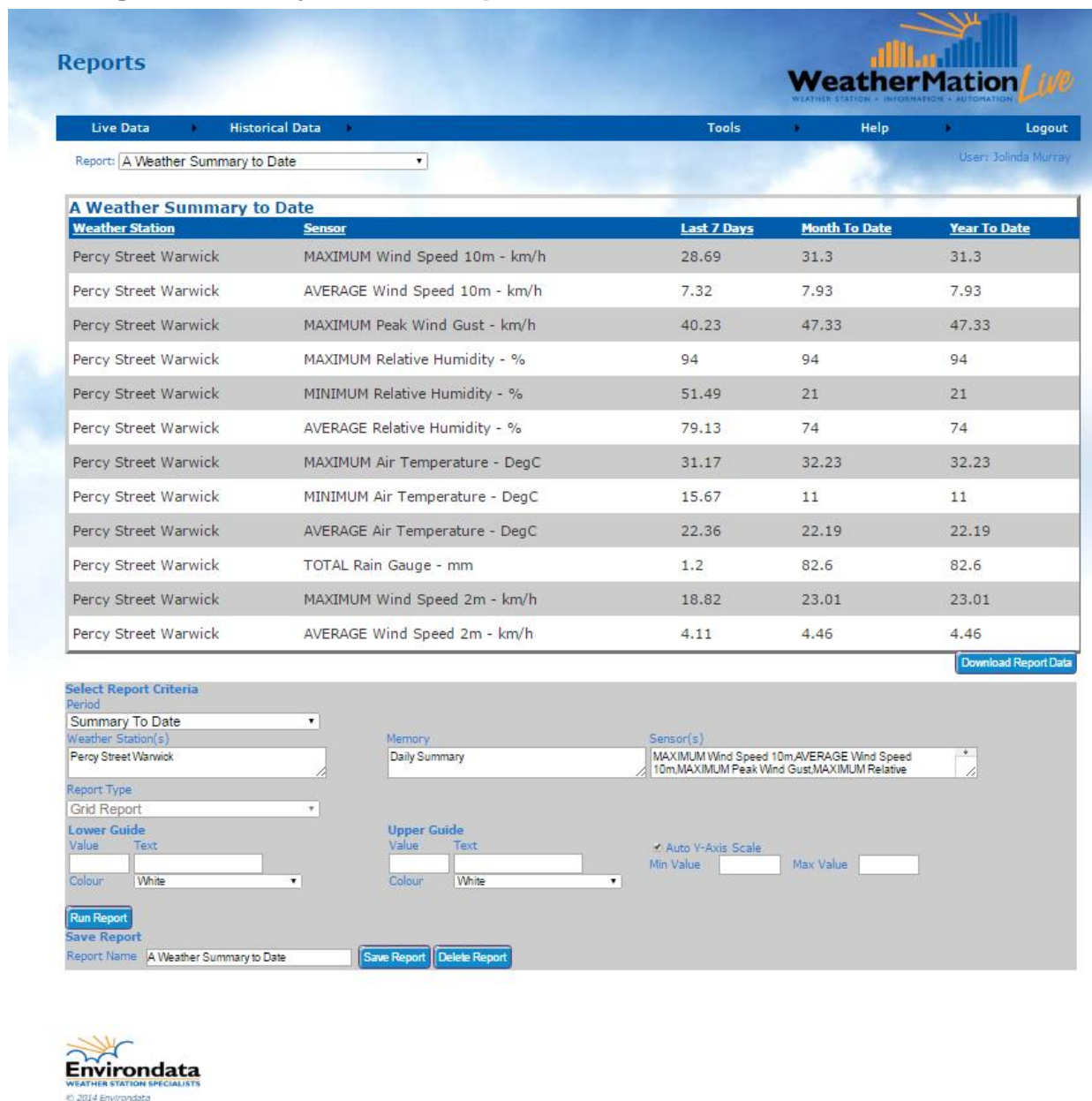
## Running a Graph and Grid Report



Select your 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.

In this example we are displaying a Graph and a Table for one Weather Station (Percy Street Warwick) for its Max Wind Speed at 2M and at 10M. Data is based on hourly data over the last 24 Hours.

## Running a 'Summary to Date' Report



The screenshot displays the WeatherMation Live Reports interface. At the top, there's a navigation bar with 'Live Data', 'Historical Data', 'Tools', 'Help', and 'Logout'. A 'Report:' dropdown menu is set to 'A Weather Summary to Date'. The user is identified as 'User: Jolinda Murray'.

The main section is titled 'A Weather Summary to Date' and contains a table with the following data:

Weather Station	Sensor	Last 7 Days	Month To Date	Year To Date
Percy Street Warwick	MAXIMUM Wind Speed 10m - km/h	28.69	31.3	31.3
Percy Street Warwick	AVERAGE Wind Speed 10m - km/h	7.32	7.93	7.93
Percy Street Warwick	MAXIMUM Peak Wind Gust - km/h	40.23	47.33	47.33
Percy Street Warwick	MAXIMUM Relative Humidity - %	94	94	94
Percy Street Warwick	MINIMUM Relative Humidity - %	51.49	21	21
Percy Street Warwick	AVERAGE Relative Humidity - %	79.13	74	74
Percy Street Warwick	MAXIMUM Air Temperature - DegC	31.17	32.23	32.23
Percy Street Warwick	MINIMUM Air Temperature - DegC	15.67	11	11
Percy Street Warwick	AVERAGE Air Temperature - DegC	22.36	22.19	22.19
Percy Street Warwick	TOTAL Rain Gauge - mm	1.2	82.6	82.6
Percy Street Warwick	MAXIMUM Wind Speed 2m - km/h	18.82	23.01	23.01
Percy Street Warwick	AVERAGE Wind Speed 2m - km/h	4.11	4.46	4.46

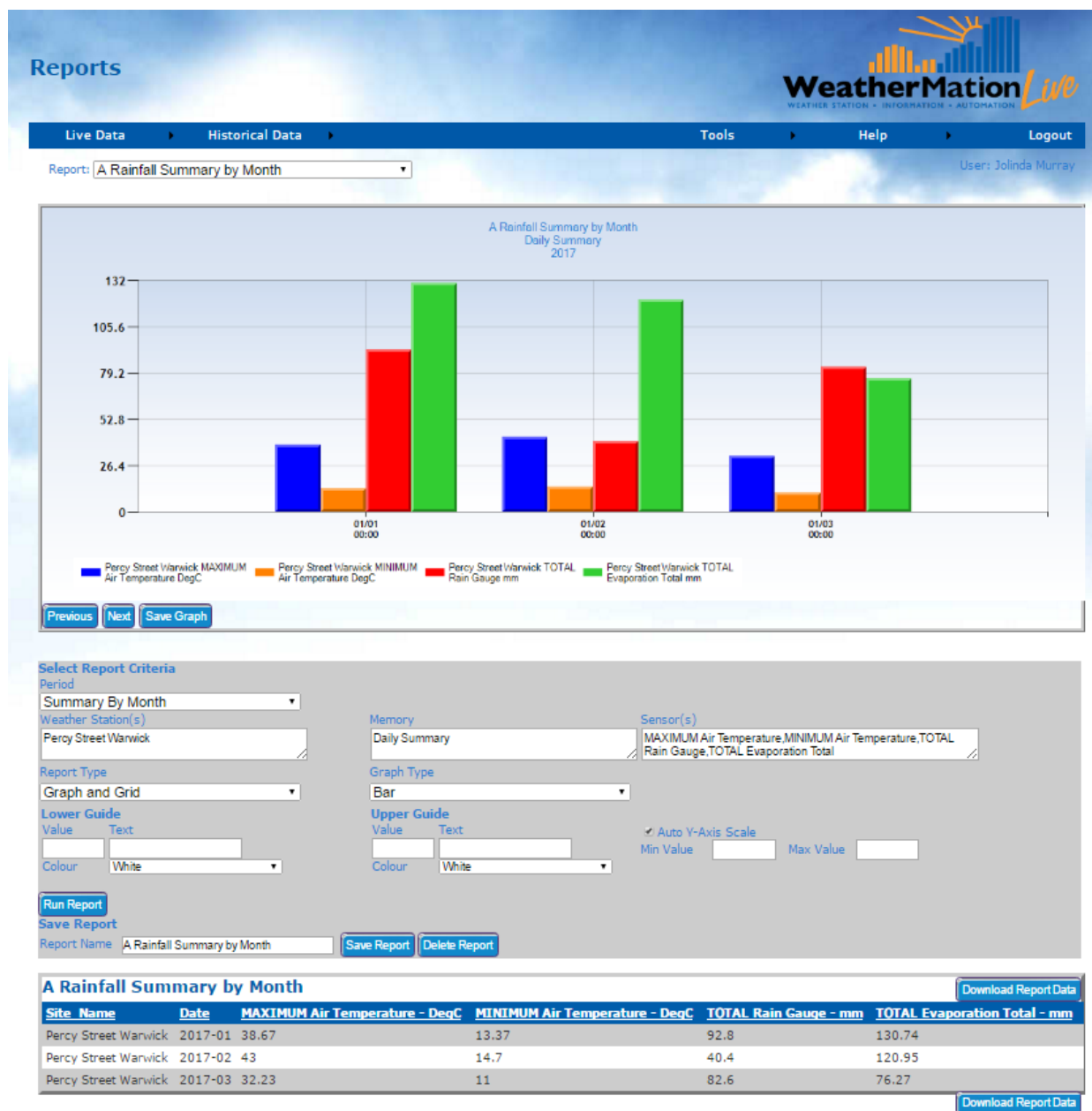
Below the table is a 'Download Report Data' button. Underneath is the 'Select Report Criteria' section, which includes dropdowns for 'Period' (set to 'Summary To Date'), 'Weather Station(s)' (set to 'Percy Street Warwick'), and 'Report Type' (set to 'Grid Report'). There are also fields for 'Memory' (set to 'Daily Summary') and 'Sensor(s)' (set to 'MAXIMUM Wind Speed 10m, AVERAGE Wind Speed 10m, MAXIMUM Peak Wind Gust, MAXIMUM Relative Humidity'). The 'Lower Guide' and 'Upper Guide' sections have input fields for 'Value', 'Text', and 'Colour' (set to 'White'). There are also checkboxes for 'Auto Y-Axis Scale' and 'Min Value' / 'Max Value' fields. At the bottom, there are buttons for 'Run Report', 'Save Report', and 'Delete Report'.

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Select your Report Criteria – make sure **Period** is '**Summary To Date**'. Then click the Run Report button to display your data.

In this example we are displaying a Summary to Date for one Weather Station (Percy Street Warwick) for 7 various selected sensors. Data is retrieved from the Daily Summary data.

## Running a 'Summary By Month' Report




Select your Report Criteria – make sure **Period** is '**Summary by Month**'. Then click the Run Report button to display your data. Summary by Month will return summary weather data reported per Year. You have an option to display a Graph or a Grid or both.

In this example we are displaying a Summary by Month for one Weather Station (Percy Street) for 4 various selected sensors. Data is retrieved from the Daily Summary data.

## Running a 'Summary By Quarter' Report

# Reports



**WeatherMation Live**

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Live Data ▾
Historical Data ▾
Tools ▾
Help ▾
Logout

Report: A Weather Summary by Quarter
User: Jolinda Murray

---

**A Weather Summary by Quarter**

Weather Station	Sensor	Last Full Month	Last 3 Full Months	Last 6 Full Months	Last 12 Full Months
Percy Street Warwick	MAXIMUM Wind Speed 10m - km/h	40.05	42.18	47.45	47.45
Percy Street Warwick	AVERAGE Wind Speed 10m - km/h	8.41	9.7	9.23	8.75
Percy Street Warwick	MAXIMUM Peak Wind Gust - km/h	54.43	61.53	67.45	67.45
Percy Street Warwick	AVERAGE Relative Humidity - %	72.17	70.86	70.15	68.85
Percy Street Warwick	MAXIMUM Air Temperature - DegC	33	37.47	37.47	37.47
Percy Street Warwick	MINIMUM Air Temperature - DegC	9.03	9.03	9.03	-3
Percy Street Warwick	TOTAL Rain Gauge - mm	27.6	114.2	463	535.8
Percy Street Warwick	MINIMUM Grass Temperature - DegC	-20	-20	-20	-20
Percy Street Warwick	MAXIMUM Wind Speed 2m - km/h	24.13	26.49	30.38	30.56
Percy Street Warwick	AVERAGE Wind Speed 2m - km/h	4.39	5.08	5.02	4.85

[Download Report Data](#)

---

**Select Report Criteria**

Period  
Summary By Quarter

Weather Station(s)  
Percy Street Warwick

Memory  
Daily Summary

Sensor(s)  

MAXIMUM Wind Speed 10m,AVERAGE Wind Speed 10m,MAXIMUM Peak Wind Gust,AVERAGE Relative Humidity,MAXIMUM Air


Report Type  
Grid Report

Run Report

Save Report

Delete Report

Report Name A Weather Summary by Quarter



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Select your Report Criteria – make sure **Period** is ‘**Summary by Quarter**’. Then click the Run Report button to display your data. Summary by Quarter will return summary weather data reported from full calendar months only, last single full month, last 3 months, 6 months and 12 months.

In this example we are displaying a Summary by Quarter for one Weather Station (Percy Street Warwick) for 7 various selected sensors. Data is retrieved from the Daily Summary data.

## Notes on the Summary Reports

Values are based on the Sensor Selected e.g.

- MAXIMUM Wind Speed – will give the MAXIMUM value over the period
- MINIMUM Air Temperature – will give the LOWEST of the MINIMUM Air Temperature values over the period
- MAXIMUM Air Temperature – will give the HIGHEST of the MAXIMUM Air Temperatures value over the period
- AVERAGE Air Temperature – will give the AVERAGE value over the period
- TOTAL Rain Gauge – will give the TOTAL rainfall over the period

### Periods on the Summary To Date:

- Week To Date – From midnight on the same day last week till NOW
- Month To Date – From midnight on 1<sup>st</sup> of the Current Month till NOW
- Year To Date – From midnight on 1<sup>st</sup> January till NOW

### Periods on the Summary by Quarter:

- Last Full Month
  - From midnight on the 1<sup>st</sup> till midnight on the last day of the previous month.
- Last 3 Full Months
  - From midnight on the 1<sup>st</sup> till midnight on the last day of the previous 3 months.
- Last 6 Full Months
  - From midnight on the 1<sup>st</sup> till midnight on the last day of the previous 6 months.
- Last 12 Full Months
  - From midnight on the 1<sup>st</sup> till midnight on the last day of the previous 12 months.

## 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 displays the 'Select Report Criteria' section of the WeatherMation LIVE Reports Module. At the top, a header bar shows dates: 21-04-2015, 22-04-2015, 22-04-2015, and 22-04-2015. Below this, a legend indicates 'Percy Street Warwick MAXIMUM Wind Speed 10m' (blue line) and 'Percy Street Warwick MAXIMUM Wind Speed 2m' (orange line). Navigation buttons 'Previous', 'Next', and 'Save Graph' are visible. The 'Select Report Criteria' section includes a 'Period' dropdown set to 'Last 24 Hours', a 'Weather Station(s)' field with 'Percy Street Warwick', a 'Memory' dropdown set to 'Hourly Data', and a 'Sensor(s)' field with 'MAXIMUM Wind Speed.. 10m, MAXIMUM Wind Speed.. 2m'. There are also 'Report Type' and 'Graph Type' dropdowns, both set to 'Graph' and 'Line' respectively. At the bottom, there is a 'Run Report' button, a 'Save Report' button, and a 'Delete Report' button. The 'Report Name' field contains the text 'Last 24 hours Wind Speed 10m and 2m'.



## 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.

The screenshot displays the 'Edit a Report' interface. At the top, a graph shows wind speed data for Percy Street Warwick at 10m and 2m heights over a period from 21-04-2015 to 22-04-2015. Below the graph are buttons for 'Previous', 'Next', and 'Save Graph'. The 'Select Report Criteria' section includes a 'Period' dropdown set to 'Last 24 Hours', a 'Weather Station(s)' field with 'Percy Street Warwick', a 'Memory' dropdown set to 'Hourly Data', and a 'Sensor(s)' field with 'MAXIMUM Wind Speed.. 10m, MAXIMUM Wind Speed.. 2m'. The 'Report Type' is set to 'Graph' and the 'Graph Type' is set to 'Line'. At the bottom, there is a 'Run Report' button, a 'Save Report' section with a 'Report Name' field containing 'Last 24 hours Wind Speed 10m and 2m', and 'Save Report' and 'Delete Report' buttons.

## 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.

This screenshot is identical to the one above, showing the 'Edit a Report' interface. It includes the same graph of wind speed data, the 'Select Report Criteria' section with its various dropdowns and text fields, and the bottom section with the 'Run Report' button, the 'Save Report' section with the report name 'Last 24 hours Wind Speed 10m and 2m', and the 'Save Report' and 'Delete Report' buttons.

# 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.

Reports

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Live Data

Historical Data

Tools

Help

Logout

Report: A Weather Summary by Month

A Weather Summary by Month

A Weather Summary to Date

Last 24 hours Wind Speed 10m and 2m

Last 30 days Min & Max Temp

Last 7 days rain by hour

Last 90 days rainfall and evaporation

Total rainfall by month

User: Administrator

Last Full Month	Last 3 Full Months	Last 6 Full Months	Last 12 Full Months
28.6	34.35	49.25	49.25

## **5. 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.

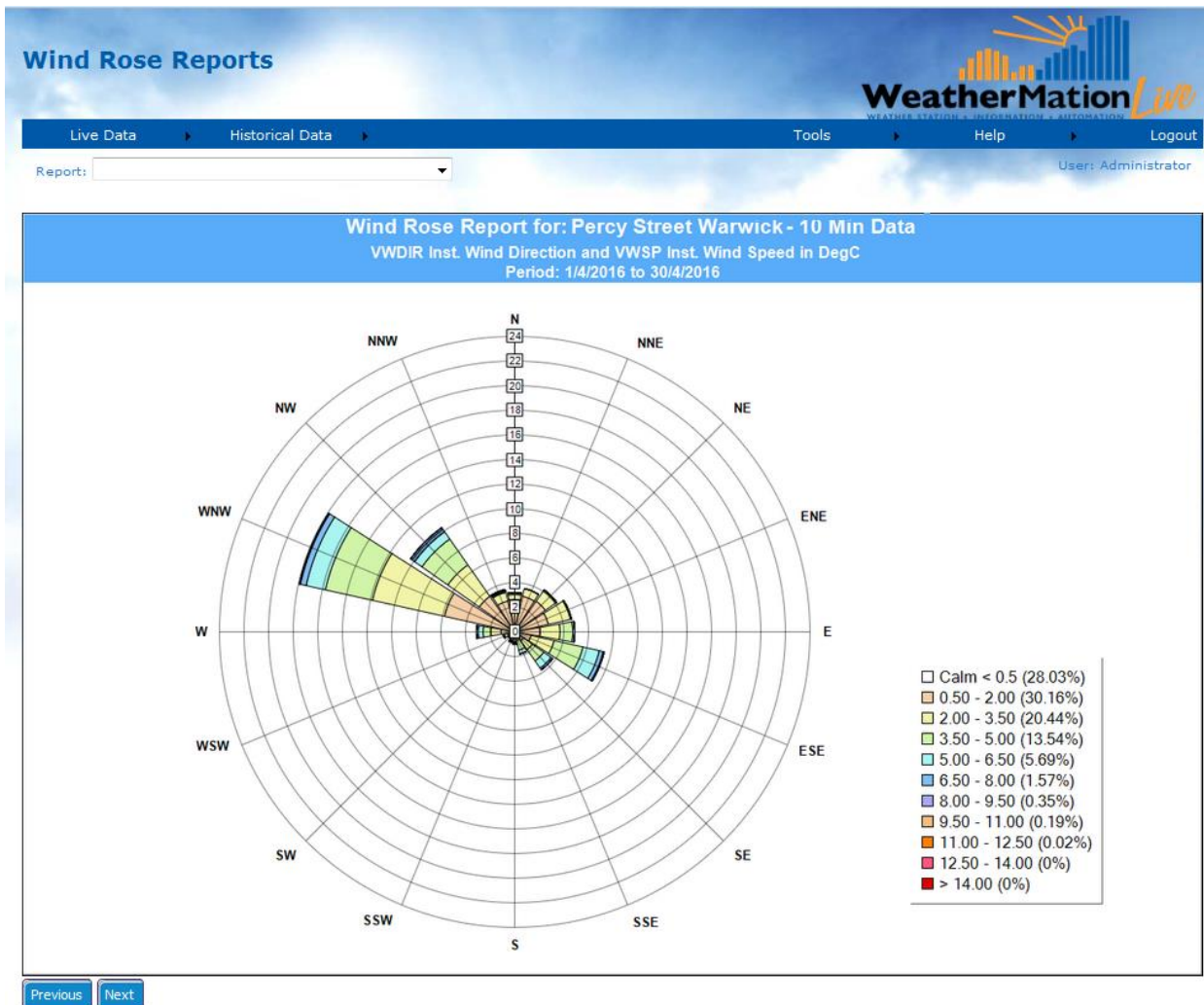
Once you have entered all the Parameters, click the Run Report button to display your report.

The screenshot shows a web form titled "Select Report Criteria". It contains several sections with dropdown menus and input fields:

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

At the bottom left of the form is a blue button labeled "Run Report".

# Running a Wind Rose Report



## Select Report Criteria

Period

Last Full Month

Weather Station(s)

Percy Street Warwick

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

## Wind Rose Report for: Percy Street Warwick 10 Min Data VWDIR 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				0.12	0.42	1.62	0.74	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.

## 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 the 'Select Report Criteria' form with the following settings:

- 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

Buttons: Run Report, Save Report, Save Report, Delete Report

Report Name: Last Full Month Wind Rose - 10 Min Dat

## 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.

The screenshot shows the 'Select Report Criteria' form with the following settings:

- 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

Buttons: Run Report, Save Report, Save Report, Delete Report

Report Name: Last Full Month Wind Rose - 10 Min Dat

## 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 Data **Save Report** **Delete Report**

## 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.

