USER MANUAL

https://webdev.muthuhetti.com/sept/

GENERAL HELP

Shown above is the menu. The menu displays the 5 main pages on the website. Clicking on one of these links (circled in red) will bring you to a different page. The menu can always be clicked on and is always visible.

MENU PAGES OVERVIEW

Home - The page the website will default to. It displays a list of all states, and also a list of all your saved favourites. Clicking on a state will allow you to browse a list of the stations within that state. Clicking on a station will allow you to view the weather details of that town. The home page also includes a search bar. (see page 3)

States - This page lists all the states. Clicking on a state allows you to browse a list of stations within that state. Clicking on a station will allow you to view the weather details of that station. (see page 3)

Stations - This page lists all the stations under all their states. Clicking on a town will allow you to view the weather details of that station. (see page 4)
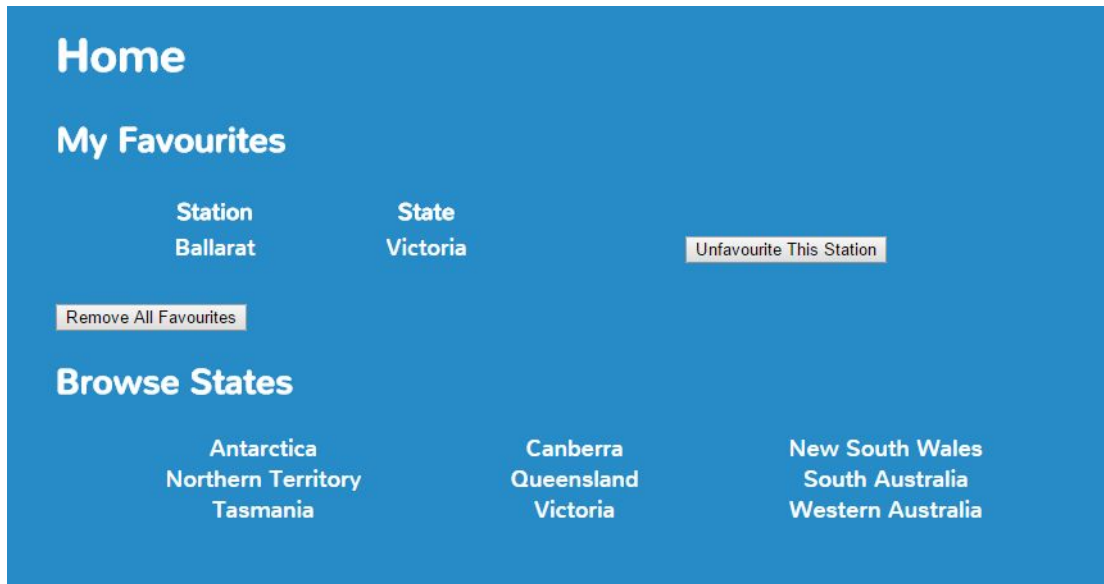
My Favourites - This page displays a list of all your "Favourited" towns. Clicking on a town will allow you to view the weather details of that station. To remove a station from your Favourites list, click on "Unfavourite This Station". Alternatively, you can clear your Favourites list completely by clicking "Remove All Favourites". (see page 4)

Help - This link brings you to a page which describes some functions of the website, and also an overview of what the menu links are.

The search bar (pictured left) is also visible and usable all the time. It can be used to search for any town/suburb in the available states. It is located on the right hand side of the website.
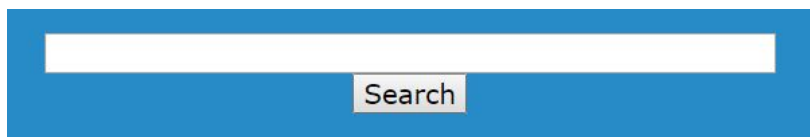
HOME PAGE OVERVIEW

The home page has 2 main features: My Favourites and Browse States.

My Favourites - Shows any of your "Favourited" stations for you to get quick and easy access to straight from the Home page (in the above picture, Ballarat is the only favourited station).

Clicking on "Unfavourite this Station" will remove that **one** station from your favourites list. Clicking on "Remove All Favourites" will remove **all** stations from your favourite list.

Browse States - Displays a list of all the states for you to find any station in that state. Clicking on a state will bring you to a list of all the station in that state, which you can then use to browse the station.

For example, clicking on Canberra will show you a list of all the stations in Canberra, allowing you to Browse Stations in Tasmania (see page 4 for further detail).

The home page also has a search bar. You can use it to search for stations.
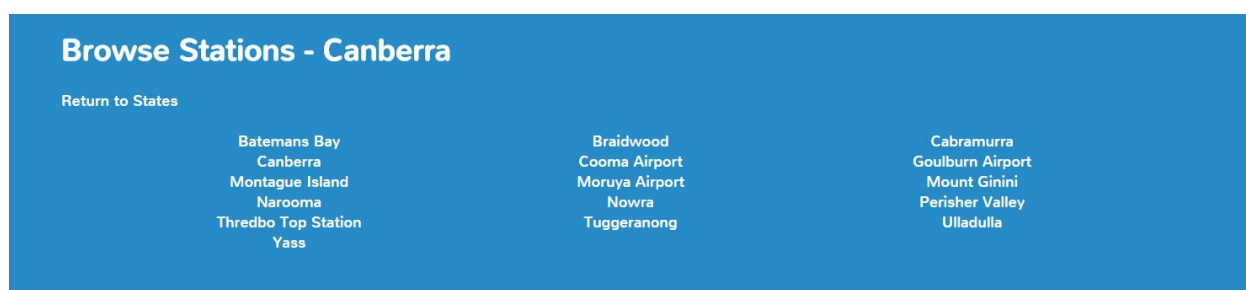
STATES OVERVIEW

Clicking on the States link in the menu will take you to the Browse States page (pictured above).

Clicking on any of these states will allow you to browse from the stations of that State. See page 3 for an example of the browse state page for Tasmania, which gets shown if Tasmania is clicked.

BROWSE STATIONS (From States) OVERVIEW

Clicking on Canberra from the Browse States page or from the Browse States section of the Home page will bring you to the Browse Stations - Canberra page. This page displays all the stations in Canberra. Similarly, clicking on any other state from the Browse States page or from the Home page will bring you to the Browse Stations page of that State. Clicking on one of these stations will show you the weather details of that station. For Browse Stations (All Stations) see page 5.

BROWSE STATIONS (All Stations) OVERVIEW

Clicking on the Stations link in the menu will bring you to the Browse Station- All Stations page (pictured below).

This page displays every station in every state. Clicking on one of these stations will show you the weather details of that station.

MY FAVOURITES OVERVIEW

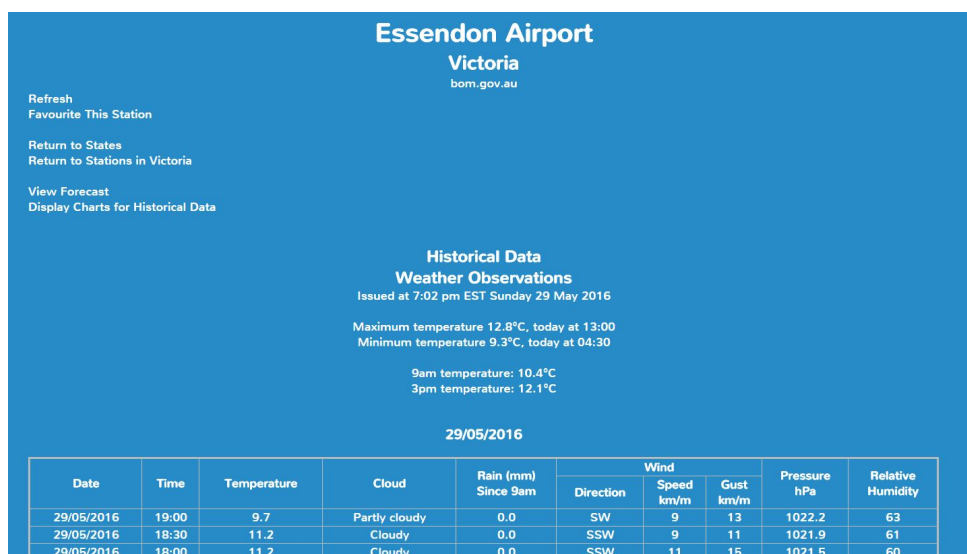Clicking on My Favourites from the menu will bring you to the My Favourites page (pictured below).

This page will display all your "Favourited" stations, just as the Home page favourites section does. The buttons work in the same way, clicking "Unfavourite [Station Name]" removes that station from your Favourites, while clicking "Remove All Favourites" clears your list of all stations.

WEATHER DETAILS PAGE OVERVIEW

Clicking on a station from any Browse Stations page, or searching for a Station will bring to the weather details of that station. Below shows the Weather Details of Essendon Airport, Victoria.

The weather details page shows the maximum and minimum temperature for the day and at what times, and it shows more detailed in-depth details about the weather in a graph. This graph shows the user some weather details, and includes **temperature**, **cloud data**, **rainfall measurements**, **wind direction**, **speed** and **gust**, **air pressure**, and **humidity**. It also shows at what time these measurements were recorded, and at what time the data was issued. This helps you to know what the most recent and relevant time is.

Also, a "Refresh" link is provided to allow you to refresh the page to see if any update has come in. Clicking on "Favourite This Station" will add this station to the Favourites list. "Return to States" and "Return to stations in Canberra" will bring you to those respective pages.
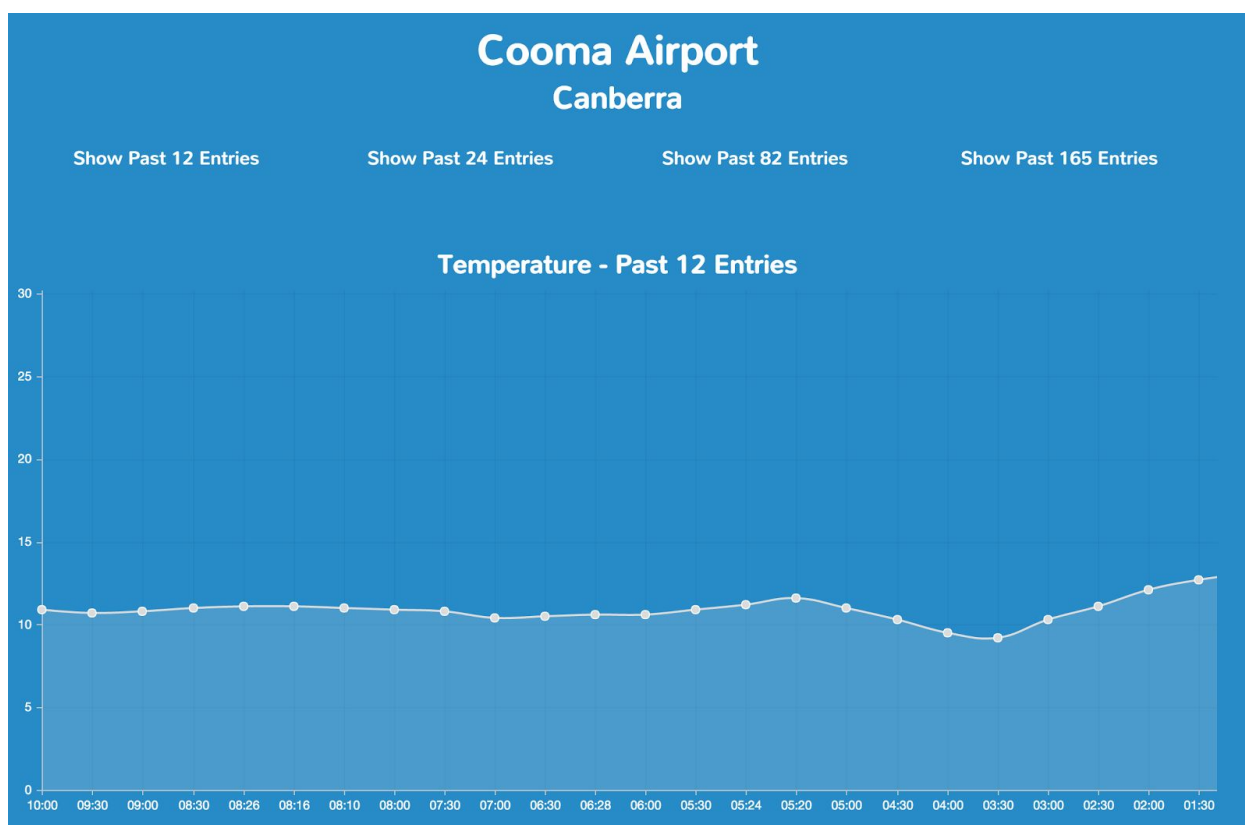
There is also a "Display Charts For Historical Data" link, which will open up a new window which gives a visual representation of some of the weather details (see page 6).

A "View Forecast" link is also present, which allows you to see the forecast data for this particular station (see page 7).
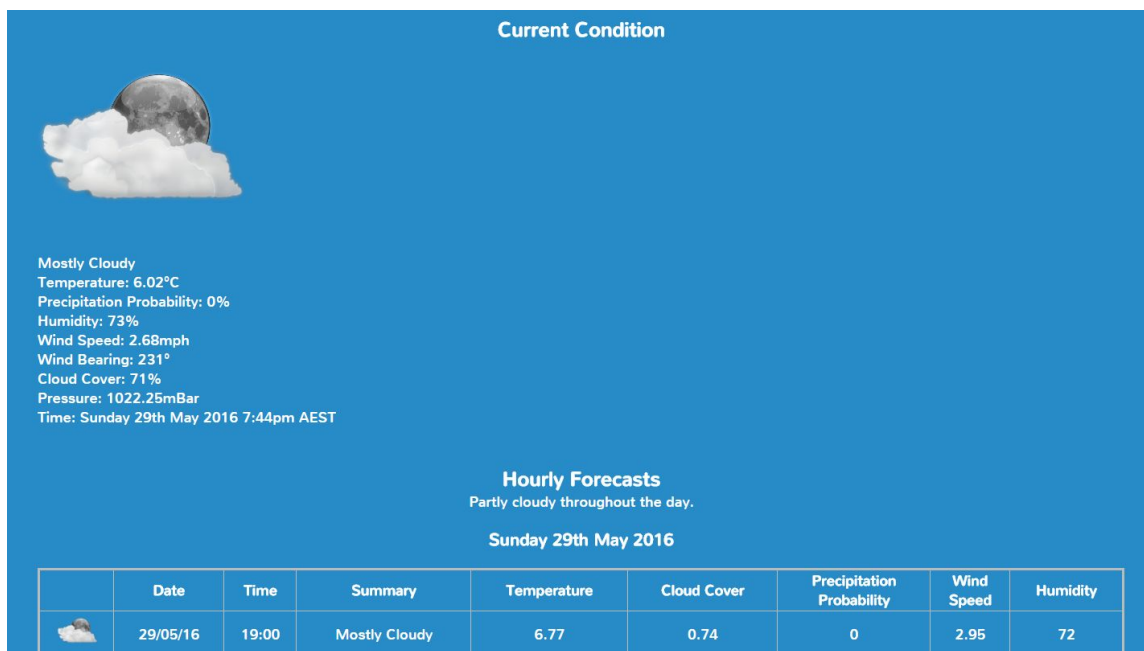
DISPLAY CHARTS PAGE OVERVIEW

This window will open after you click "Display Charts" from any Weather Details page. This window defaults to showing you the Temperature in the past 12 hours, but you can click on other weather attributes, such as **rain**, **wind**, **pressure** and **humidity** in the top toolbar to view the data for those attributes. You can also change the graph to display the data from the past 24 hours, instead of the past 12 hours by clicking on "24 Hour Chart". You can change it back by clicking on "12 Hour Chart".

Below is an example of the default Chart page for Cooma Airport - Canberra.

FORECAST DETAILS PAGE OVERVIEW

This page will be displayed after you click on "View Forecast" on any station's weather details page. Below is the Forecast Details of Essendon Airport, Victoria.

The forecast details page displays the most current readings of a station, including the current **general weather condition**, **temperature**, **precipitation probability**, **humidity**, **wind speed**, **wind bearing**, **cloud cover** and **pressure**.

Below that, the hourly forecasts for a station is shown in a table, with details such as the Date and Time the specific reading was obtained, the Summary of the conditions at that time, temperature, cloud cover, precipitation probability, wind speed, and humidity. Scrolling further down this page will display more hourly forecasts, showing results from previous days.

The menu to the left can be seen above the details.

Clicking "View Historical Data" will bring you back to the default Weather Details page for the station. Clicking "View Forecast Data from OpenWeatherMap.org" will change the results input from forecast.io to OpenWeatherMap.org and clicking "Display Charts for Forecast Data" will open a new window, which shows forecast information (see page 8).

FORECAST CHARTS PAGE OVERVIEW

Clicking "Display Charts for Forecast Data" will open this window. Below is a screenshot of a forecast data page.

This graph can show multiple details, such as **Temperature**, **Precipitation Probability**, **Wind**, **Humidity** and **Cloud Cove**r. They can be accessed by clicking on any of the buttons on the top. For example, click on "**Precipitation**" will change the graph to show the Precipitation Probability of the station.

The graph has a default value to show data for the next 12 hours, however, this can be changed by clicking "Show next 24 Hours" or "Show next 48 Hours". You can then click "Show Next 12 Hours" to reset the graph.

Clicking on "View Historical Charts" will change the graph to show details from the past 12, 24, or 48 hours (see page 6 for more).

Clicking on "View OpenWeatherMap.org Charts" will change the graph to show details from OpenWeatherMap.org instead of the default (forecast.io). When viewing OpenWeatherMap charts, you can click "View forecast.io Charts" to view the graph details from forecast.io.