

TURBOWIN+ USER MANUAL:

PART 2

OUTPUT OPTIONS & EMAIL CONFIGURATION

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Introduction

1. There are various options available in Turbowin+ to output the coded observation for transmission to your National Meteorological Service.
2. Part 2 of the Turbowin+ User Manual will discuss the various options and provide guidance on how to configure the software appropriately.
3. There are two initial options available to you without any further configuration:
 - Obs to File
 - Obs to Clipboard
4. Alternatively, there are several other options that require some level of configuration before they are accessible:
 - Obs to Server (internet)
 - Obs by Email (default)
 - Obs by Email (SMTP host)
 - Obs by Email (Gmail)
 - Obs by Email (Yahoo)
 - Obs to AWS

Obs to File

1. Obs to File does not require any software configuration to enable it for use.
2. Once you have entered a weather observation, go to the **Output** menu and **select Obs to File** (Figure 1).

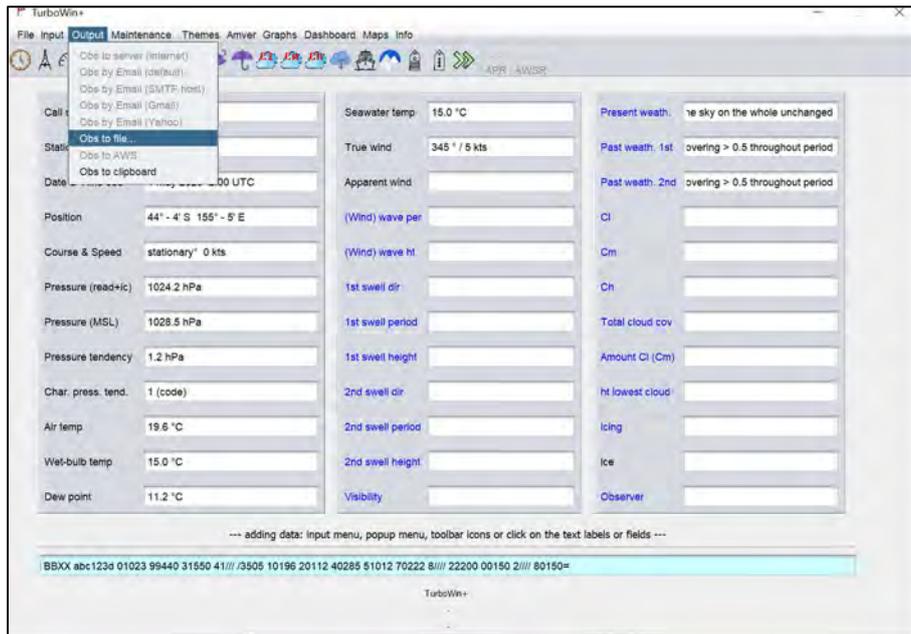


Figure 1: Obs to File from Output menu

3. The file save window (Figure 2) will open and prompt you to select a destination folder and enter a file name.

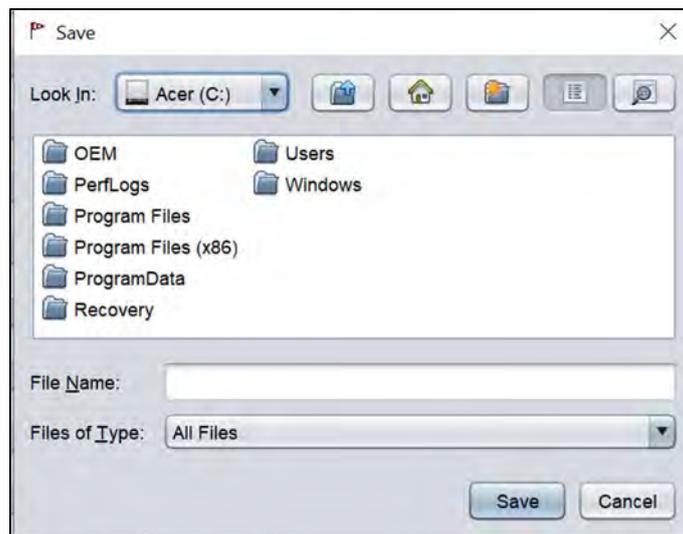


Figure 2: File save window

4. Once the observation has been saved to the destination file you can open the text file to view the coded message.
5. You then have the option to copy the coded message and paste it into the body of an email (example shown in Figure 3) to be sent to the relevant email address provided by your National Meteorological Service.



Figure 3: Coded message pasted into body of an email (example only)

- Once the observation has been output successfully, the main TW+ window will be reset ready for your next observation.

Obs to Clipboard

- Obs to Clipboard does not require any software configuration to enable it for use.
- Once you have entered a weather observation, go to the **Output** menu and **select Obs to Clipboard** (Figure 4).

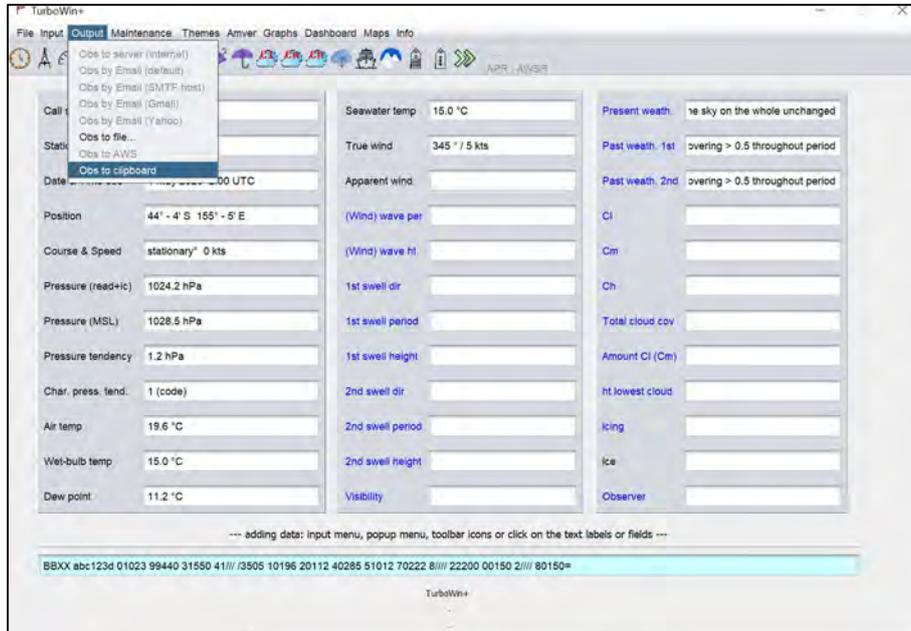


Figure 4: Obs to Clipboard from Output menu

- Once the observation has been copied to the clipboard you can paste it into the body of an email (Figure 3) to be sent to the relevant email address provided by your National Meteorological Service.
- Once the observation has been output successfully, the main TW+ window will be reset ready for your next observation.

Obs to Server (Internet)

1. Obs to Server requires a permanent internet connection on board the ship.
2. If your National Meteorological Services supports this option, you will need to request the server URL in order to configure TW+.
3. To enter the URL, go to the menu bar and select **Maintenance >> Server Settings** (Figure 5). Enter the administrator password (see Annex 1) to login.

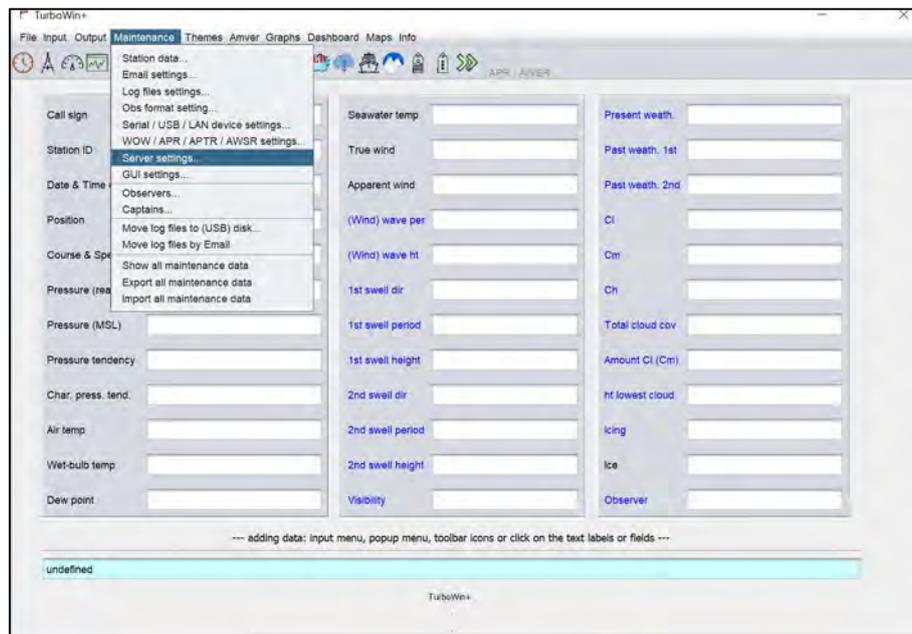


Figure 5: Server Settings from the Maintenance menu

4. Then enter the server URL as provided by your National Meteorological Service in the field provided (Figure 6) and click OK.

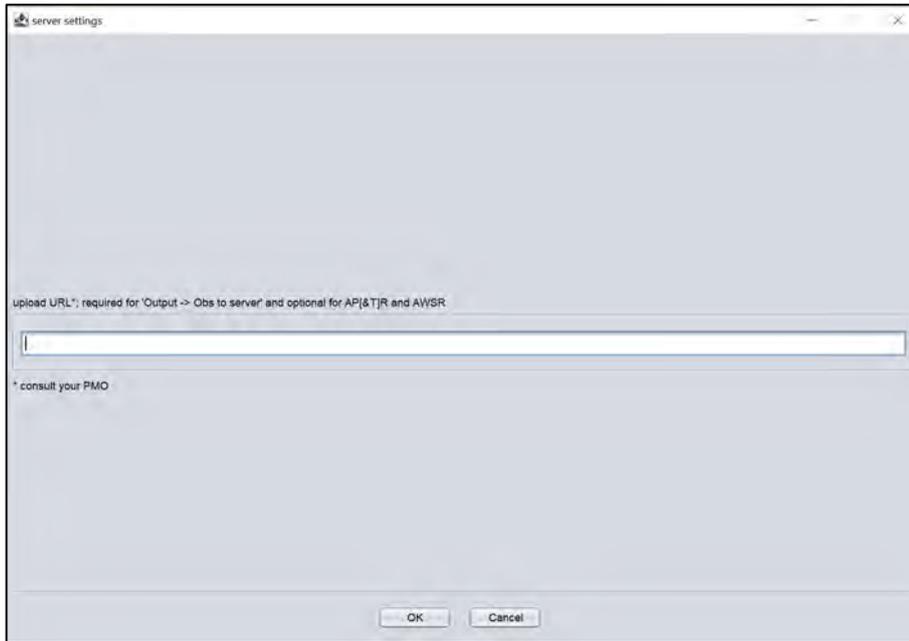


Figure 6: Server Settings

5. The Server Settings are now configured. Obs to Server will now be available in the Output menu and you are ready to commence taking weather observations.
6. Once you have entered a weather observation, go to the **Output** menu and **select Obs to Server (internet)** as shown in Figure 7.

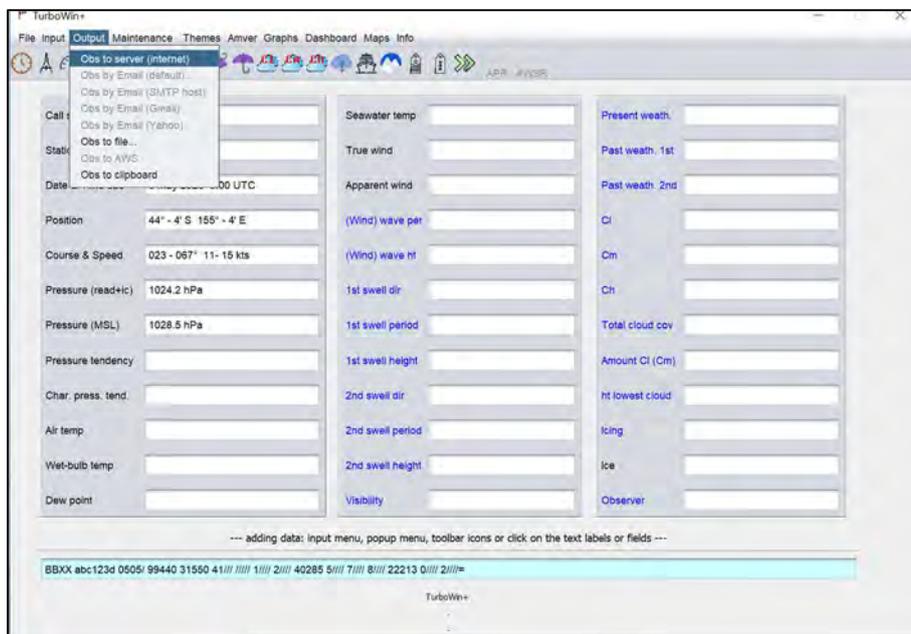


Figure 7: Obs to Server (internet) from the Maintenance menu

7. If the observation sends correctly, the TW+ main page should be reset ready for a new weather observation. However, if there is an issue with sending the observation, an error window will pop

up (Figure 8). Common issues are due to no internet connection available or the Firewall blocking the connection.



Figure 8: Obs to server failed

8. After acknowledging the error, you will be prompted to try again or cancel the observation (figure 9).



Figure 9: Obs to server 'Try Again'

9. Once the observation has been output successfully, the main TW+ window will be reset ready for your next observation.

Obs to Email (default)

1. Obs to Email (default) requires some basic information to be configured before it can be utilised.
2. From the menu bar, select **Maintenance** >> **Email Settings** (Figure 10). Enter the administrator password (see **Annex 1**) to login.

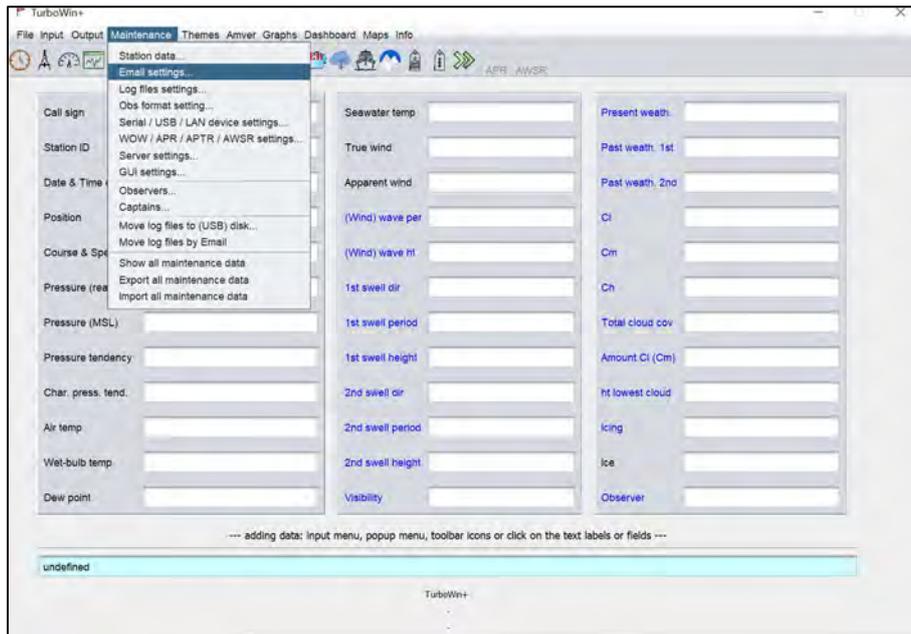


Figure 10: Email Settings from Maintenance menu

- To enable Obs to Email (default) you are required to provide an Address Recipient (Cc optional) and Email Subject as highlighted in red in Figure 11.

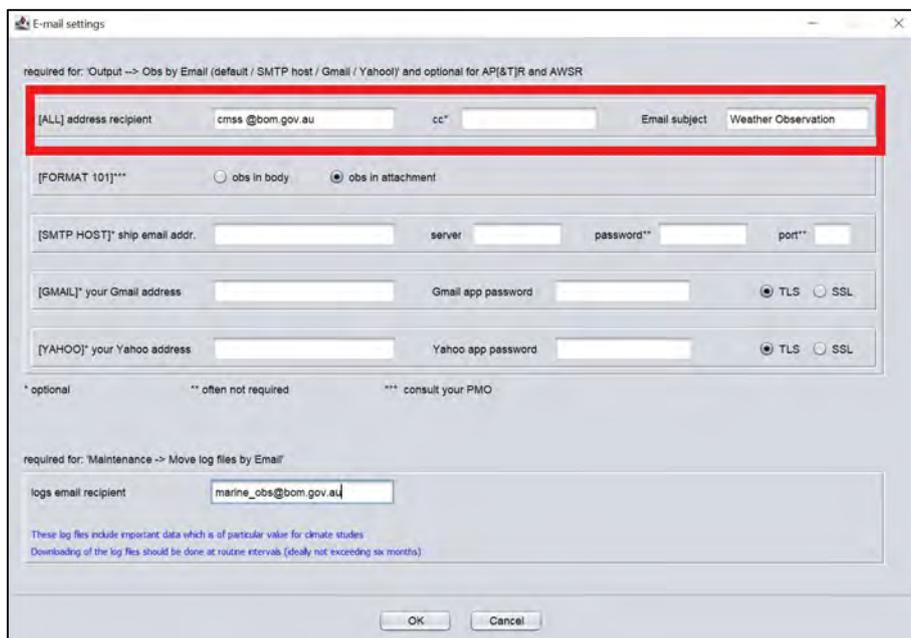


Figure 11: Obs to email (default) setup

- The Address Recipient and Email Subject in the image above are used as an example only. The actual Address Recipient and Email Subject will be provided by your National Meteorological Service. Please contact your Port Meteorological Officer or VOS Program Manager to request this information.
- After entering the required information, you will be prompted to restart TW+ for the changes to take effect.

- After restarting TW+ and entering a weather observation, go to the **Output** menu and select **Obs to Email (default)** as shown in Figure 12.

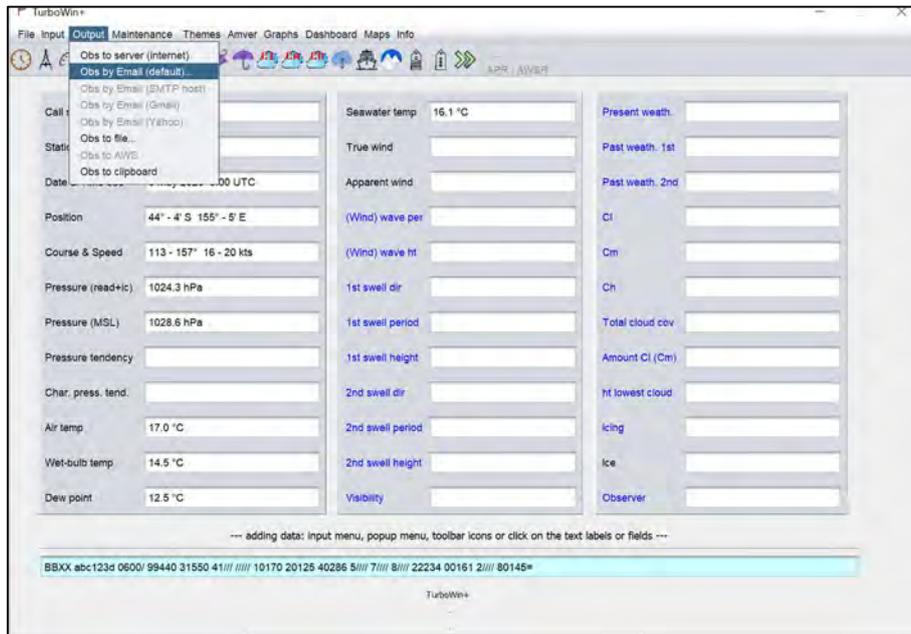


Figure 12: Obs to Email (default)

- TW+ will open your computer's default email client and automatically generate an email ready to be sent. Check that the details are correct and then click **Send**.
- Once the observation has been output successfully, the main TW+ window will be reset ready for your next observation.

Obs to Email (SMTP Host)

- Obs to Email (SMTP Host) requires some additional information to be configured before it can be utilised.
- From the menu bar, select **Maintenance** >> **Email Settings** (Figure 10). Enter the administrator password (see **Annex 1**) to login.
- To enable Obs to Email (SMTP Host) you are required to provide an Address Recipient (Cc optional) and Email Subject as highlighted in red in Figure 11. In addition to this, you are required to provide details of the SMTP Host (ship email address) and server (Figure 13). You may also be required to provide the password and port number, but this is often not required.

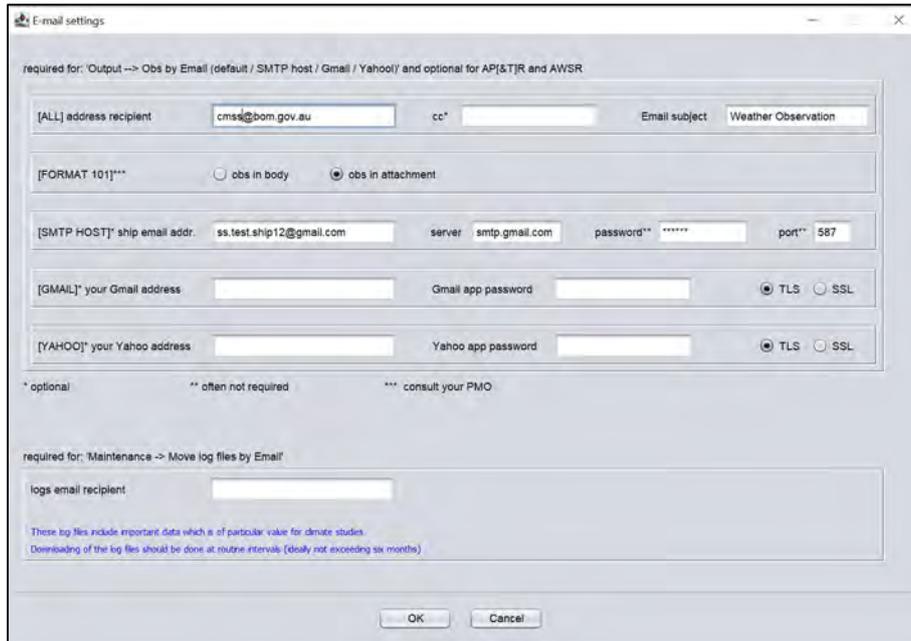


Figure 13: SMTP Host settings (example only)

4. The details included in the image above are an example only. The actual SMTP Host details will be provided by the ship's IT or communications officer. Please liaise with the ship's officers to gather this information.
5. After entering the required information, you will be prompted to restart TW+ for the changes to take effect.
6. After restarting and entering a weather observation, go to the **Output** menu and select **Obs to Email (SMTP Host)** as shown in Figure 14.

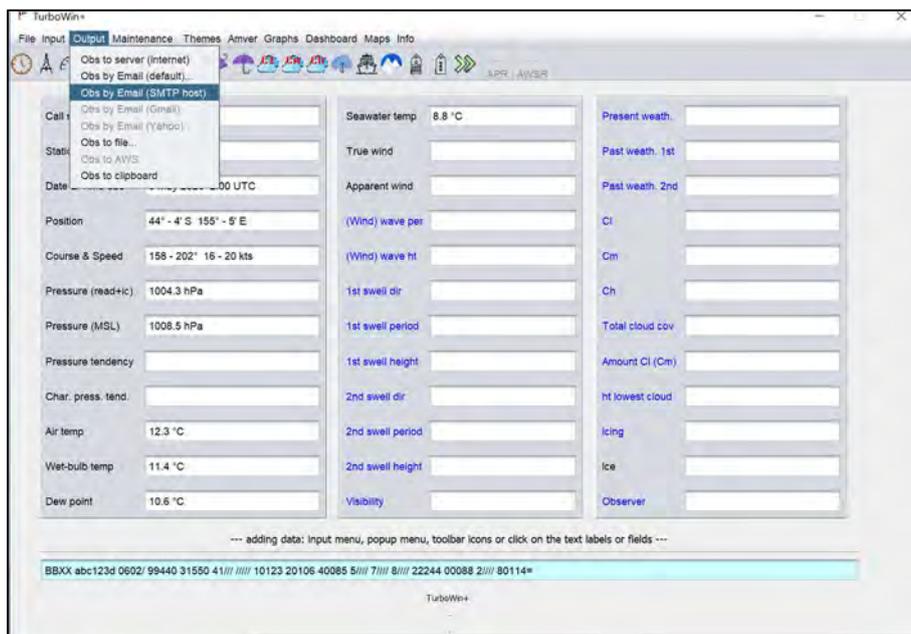


Figure 14: Obs to Email (SMTP Host) from Maintenance menu

7. TW+ may try to confirm the date & time or position before sending the observation (Figures 15 & 16).

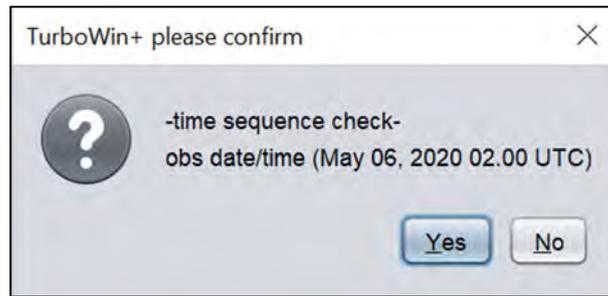


Figure 15: Time sequence check

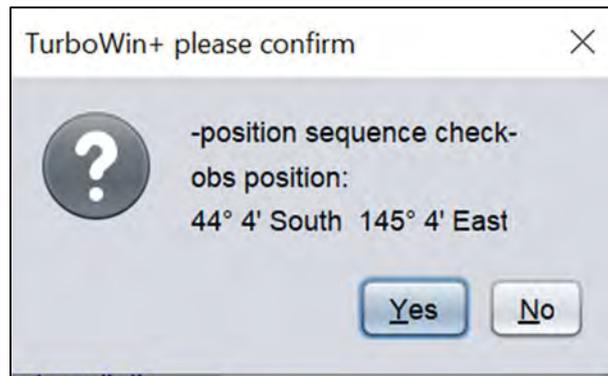


Figure 16: Position sequence check

8. Once all have been confirmed, TW+ will send the weather observation automatically via the SMTP Host (Figure 17) and a popup window will confirm that the observation has been sent (Figure 17). The main TW+ window should also be reset ready for your next observation.

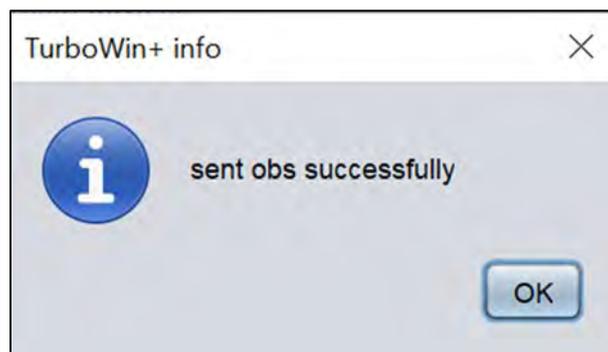


Figure 17: SMTP Host – Sent obs successfully

Obs to Email (Gmail)

1. Obs to Email (Gmail) requires some additional information to be configured before it can be utilised.

- From the menu bar, select **Maintenance** >> **Email Settings** (Figure 10). Enter the administrator password (see Annex 1) to login.
- To enable Obs to Email (Gmail) you are required to provide an Address Recipient (Cc optional) and Email Subject as shown in Figure 11. In addition to this, you are required to provide your Gmail address, password and select the SSL protocol radio button (Figure 18).

Figure 18: Gmail address and password (example only)

- To allow Turbowin+ to be able to access your Gmail account, you will also need to enable IMAP access in your Gmail settings.
- To enable IMAP access, open your Gmail account and click on the Settings icon  near the top righthand corner of the page and select Settings from the drop-down menu.
- Across the top of the Settings page will be various tabs. Please select the **Forwarding and POP/IMAP** tab as shown in Figure 19 and then click the radio button to **enable IMAP access**.

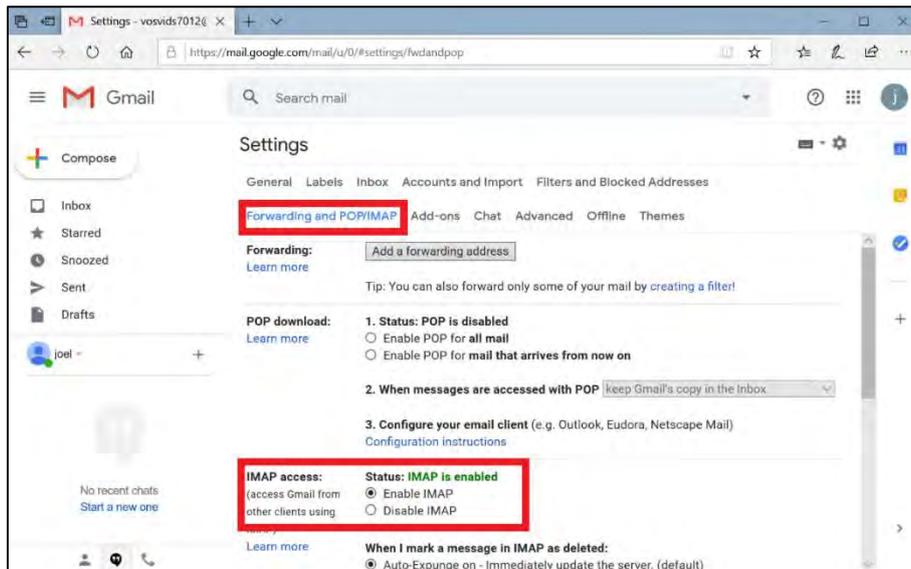


Figure 19: Gmail settings: enable IMAP access

7. Finally, you will be required to allow your Gmail to be accessed by less secure apps (i.e. Turbowin+). To do this, open your Gmail and click on the Google Account icon in the top right corner of the page and select **Manage your Google Account**.
8. Select Security from the menu and then scroll down to the section titled **Less Secure App Access**.
9. Switch on Less Secure App Access and then exit your Google Account. Please note that you may receive emails from Google to confirm that you have made these changes purposefully.
10. After entering the required information, you will be prompted to restart TW+ for the changes to take effect.
11. After restarting and entering a weather observation, go to the **Output** menu and select **Obs to Email (Gmail)**.
12. Once the observation has been output successfully, the main TW+ window will be reset ready for your next observation.

Obs to Email (Yahoo)

1. Obs to Email (Yahoo) requires some additional information to be configured before it can be utilised.
2. From the menu bar, select **Maintenance >> Email Settings** (Figure 10). Enter the administrator password (see **Annex 1**) to login.
3. To enable Obs to Email (Yahoo) you are required to provide an Address Recipient (Cc optional) and Email Subject as shown in Figure 11. In addition to this, you are required to provide your Yahoo address, **App Password** and select the SSL or TLS protocol radio button (Figure 19).

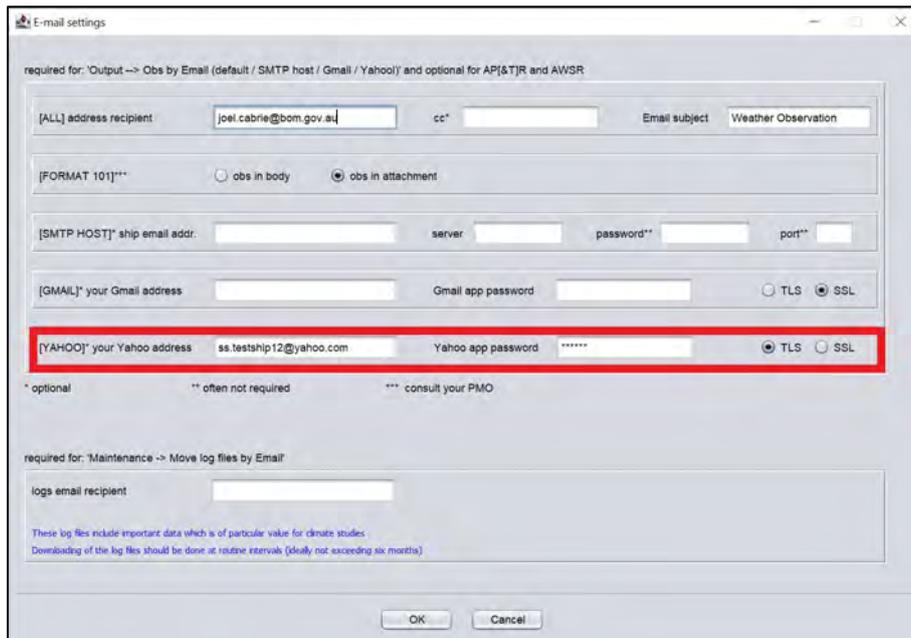


Figure 20: Yahoo address and App Password

4. To generate an App Password in Yahoo, open your Yahoo email and select Account Info from the account icon near the top right of the screen. Then select Account Security from the menu on the left of the page. (Please note you may be required to re-enter your login details).
5. On the Account Security page, scroll down to the bottom and select Generate App Password (Figure 21).

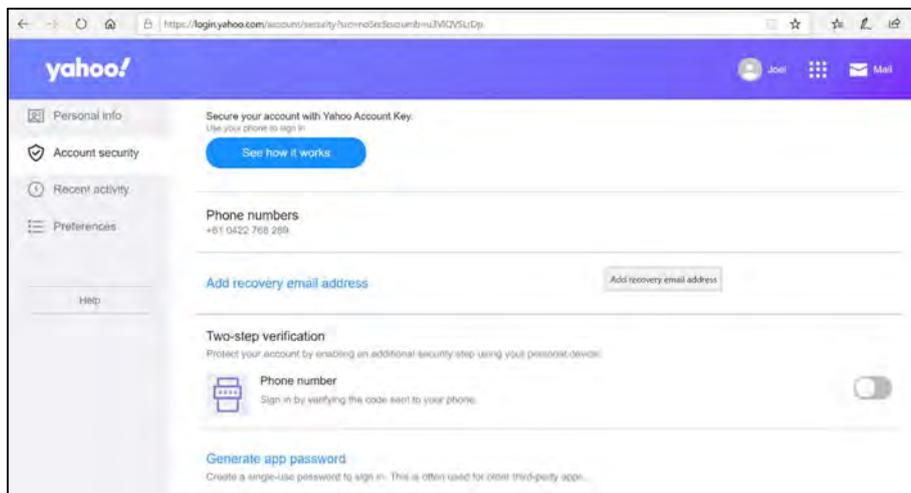


Figure 21: Yahoo - Generate App Password

6. Select Other App from the list and click Generate. You will be prompted to give the app a name. Type in Turbowin+ then click Generate.

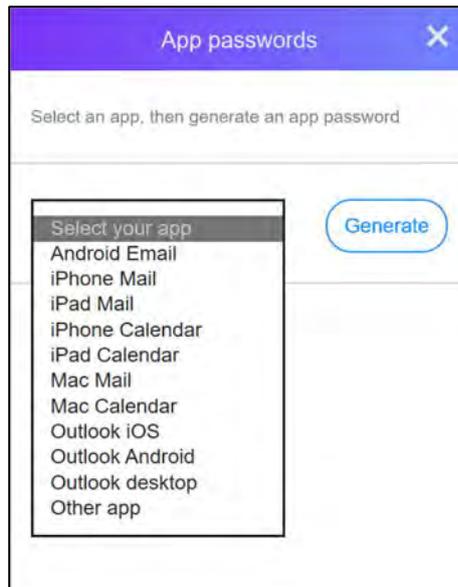


Figure 22: Yahoo - App password for Turbowin+

7. Yahoo will generate a unique app password for Turbowin+. Copy the password and paste it into the Yahoo password field under Email Settings in Turbowin+.
8. After entering the required information, you will be prompted to restart TW+ for the changes to take effect.
13. After restarting and entering a weather observation, go to the **Output** menu and select **Obs to Email (Yahoo)**.
14. Once the observation has been output successfully, the main TW+ window will be reset ready for your next observation

Obs to AWS

1. To configure the Obs to AWS output function, please refer to Turbowin+ User Manual, Part 3: Sensor Integration and Automated Output.
2. When TW+ is connected to a EUCAWS, the weather observation will automatically be sent on the hour.
3. Visual observations may be appended to the automated observation in the 20 minutes prior to the hour.
4. Once the visual observations have been entered into TW+, click on **Output >> Obs to AWS** to send the observation to the EUCAWS. The EUCAWS will then add this content to the next scheduled observation.

Annex 1:

The Turbowin+ administration password is **JWS01**