Your weather. Watched on Windows.

BigSkyAstro Windows User Manual

Weather Wizard for Windows 1.0.4.0: your station, official alerts, lightning and history on one Windows console.



Actual Weather Wizard view on Windows 11. Demo station in Boulder, CO, with sample history and simulated Pro; not a customer station.

Microsoft Store edition, October 2026. Covers Weather Wizard Free and Pro.

Before you begin
Every picture is a real Weather Wizard 1.0.4.0 window with a demo station and no API keys, so lightning and air quality show their unavailable states. Pro screens use a simulated purchase. Your own screens show your station and the sources you set up.

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1. Welcome to Weather Wizard

Weather Wizard turns a Windows PC into a single-panel weather console: your station's readings, a wind compass with lightning rings, official National Weather Service alerts, a trend graph, and one command bar. It is the Windows edition of Weather Magic PWS. Weather Wizard is a free download; Free has no time limit, and Pro is one optional Microsoft Store purchase that you can try free for 30 days first.



The Weather page with Pro active and the Week trend. Actual Windows view; demo station in Boulder, CO, with sample history. Full-size view in the Screen reference atlas.

01. Read **Start here: two checklists** to decide which accounts, if any, you need.

02. Finish the six **Weather Wizard Setup** steps the first time the app opens.

03. Leave the **Weather** page up. It refreshes on its own every 5 minutes while Weather Wizard is open.

04. Use the command bar along the bottom: **Weather**, **Local Forecast**, **Radar**, **Lightning**, **Add**, **Graphs**, **Manual Backup**, **User Manual**, **More** and **Refresh**.

05. Click **User Manual** any time to reopen this PDF. Use Contents (top right of every page) to jump between sections.

How to read this manual
Bold words are the exact labels on screen. More > Open Settings means click More on the command bar, then click Open Settings. A dash on screen means unavailable, never a measured zero.

Not a warning system
Weather Wizard is a convenience display. A quiet alert card or a missing lightning count is never an all-clear. Follow National Weather Service warnings and local emergency instructions.

2. Start here: two checklists

You do not have to create every account. Create one only when you want something your station, or the free public feed, does not already provide. Pick the list that matches you.



The console on Free with a public National Weather Service station: no account and no key. Actual Windows view; demo station in Boulder, CO, with sample history. Full-size view in the Screen reference atlas.

01. No personal weather station? Enter a US ZIP code during setup. The National Weather Service answers from that place with the nearest airport observation, the forecast, cloud cover and alerts. No account is needed.

02. Own a personal weather station? Have its station or device ID ready. Use Weathercloud if the station uploads there, or optionally your own Weather Underground account and key.

03. Want lightning? Lightning is Pro and needs your own free OpenWeather key (Set up lightning).

04. Want US air quality? Air quality is Pro and needs your own free AirNow key.

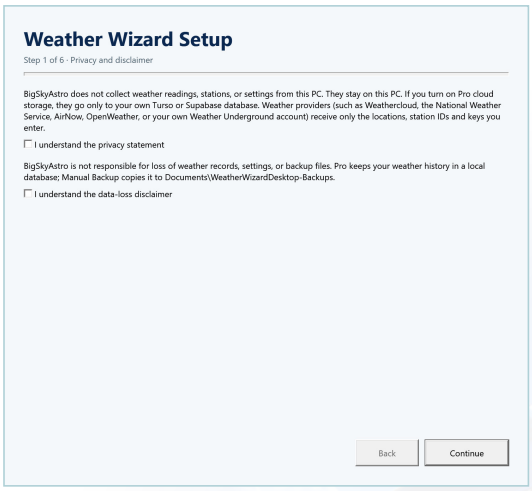
05. Want history, long graphs, cloud storage or more than one PC? Buy Pro from More.

06. Want cloud layers or town-name search? Add your own Open-Meteo API key (Pro, optional).

Keys stay private
Never paste an API key into email, a support message, or a screenshot you share. Key boxes in Weather Wizard show dots, never the key.

3. First launch: privacy and ZIP code

A new install opens Weather Wizard Setup: six short steps before the console appears. A PC that already finished setup opens straight onto the outdoor console.



Step 1 of 6, Privacy and disclaimer. Both boxes must be checked before Continue works. Actual Windows view. Full-size view in the Screen reference atlas.

01. Read the privacy statement. Weather readings, stations and settings stay on this PC unless you later turn on Pro cloud storage in your own Turso or Supabase database.

02. Check **I understand the privacy statement**.

03. Read the data-loss disclaimer, then check **I understand the data-loss disclaimer**.

04. Click **Continue**.

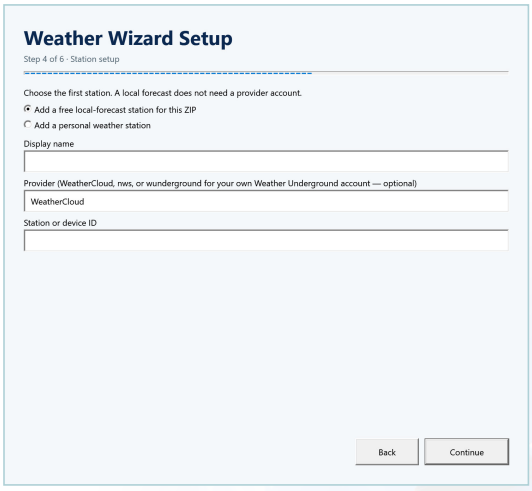
05. On **Step 2 of 6 · What you need**, type a 5-digit US **ZIP code**. A local forecast needs nothing else.

06. Click **Continue**. Use **Back** at any step to change an earlier answer.

Setup will not continue?
Both privacy boxes must be checked, and the ZIP code must be five digits.

4. First launch: Free and Pro, and your first station

Step 3 explains the Free and Pro split. Step 4 creates your first station. Setup never requires a purchase.



Step 4 of 6, Station setup, with a free local-forecast station chosen for the ZIP. Actual Windows view. Full-size view in the Screen reference atlas.

01. Read **Step 3 of 6 · Free and Pro**, then click **Continue**. You can buy Pro later from More.

02. On **Step 4 of 6 · Station setup**, choose one option.

03. Keep the stations already on this PC appears when a station exists. Choose it to change nothing.

04. Add a free local-forecast station for this ZIP uses the National Weather Service. No account is needed.

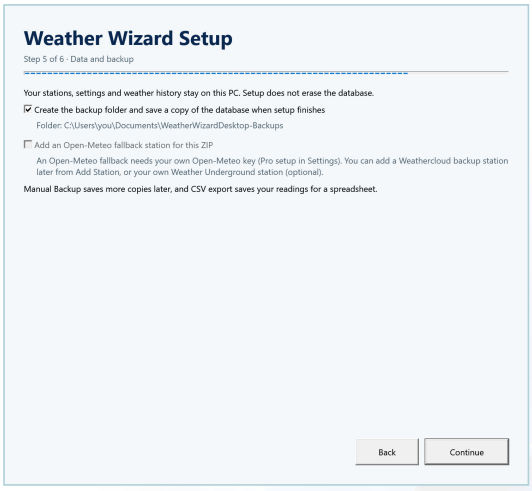
05. Add a personal weather station asks for a **Display name**, the provider (WeatherCloud, or optionally your own Weather Underground account) and the **Station or device ID**.

06. Click **Continue**.

> **You can add more later**
> Free saves up to 3 stations and Pro up to 20. Add, Search Stations and Station Setup create more after setup.

5. First launch: data, backup and review

Step 5 says what stays on this PC and offers a first backup. Step 6 shows a summary before you finish.



Step 5 of 6, Data and backup. The Windows user folder name is replaced with "you". Actual Windows view. Full-size view in the Screen reference atlas.

01. Read **Step 5 of 6 · Data and backup**. Setup does not erase anything.

02. Leave **Create the backup folder and save a copy of the database when setup finishes** checked to make Documents\WeatherWizardDesktop-Backups and save a first copy.

03. Add an Open-Meteo fallback station for this ZIP is available only when your own Open-Meteo key is turned on (Pro). In a new install it is off.

04. Click **Continue**.

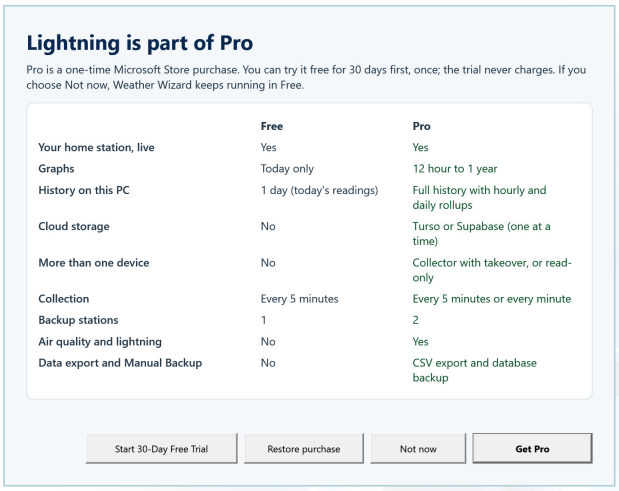
05. On **Step 6 of 6 · Review and finish**, confirm the ZIP and the edition.

06. Click **Finish**. The console opens and the first refresh starts.

What the first copy holds
On Free the first copy holds your stations and settings. With Pro it holds the whole database. Manual Backup later is Pro.

6. Free and Pro

Weather Wizard is a free download and free to keep. One optional Microsoft Store purchase unlocks Pro for that Microsoft account, and a one-time 30-day free trial lets you try Pro first. Weather Wizard has no activation-code box. If you bought it before it became a free download, email support@bigskyastro.com with your Microsoft Store order number and support will send a free Pro code.



Compare Free and Pro opens whenever you click a Pro feature on Free. Start 30-Day Free Trial appears until the trial has been used. Not now keeps Free running. Actual Windows view. Full-size view in the Screen reference atlas.

01. Open **More** and click **Compare Free and Pro** to see the table at any time.

02. Free: your home station live, NWS alerts and radar, the Today trend from 1 day of weather data, 3 saved stations and 1 backup station.

03. Pro: full history, 12 hr to Year graphs, lightning, air quality, audio limit alerts, Export CSV and Manual Backup.

04. Pro also adds cloud storage in your own Turso or Supabase database, more than one PC, 1-minute collection, a second backup station and up to 20 stations.

05. Click **Start 30-Day Free Trial** to try Pro, **Get Pro** to buy, **Restore purchase** if you already own it, or **Not now** to keep Free.

Free keeps working
Choosing Not now, or cancelling the Store purchase, never closes Weather Wizard. History saved by an earlier Pro session is hidden on Free, not deleted, and comes back with Pro.

No codes
If a message asks for a code to unlock Weather Wizard, it did not come from BigSkyAstro.

7. The 30-day free Pro trial

Every Microsoft account can try Pro free for 30 days, once. The trial is a free Microsoft Store add-on: it never renews, never turns into a purchase and never charges.

01. Open **More** and click **Start 30-Day Free Trial** on the **Pro** card, or click it in **Compare Free and Pro**. Nothing starts the trial automatically.

02. Confirm the free ($0.00) add-on in the Microsoft Store dialog with the account that should use it.

03. The badge reads **PRO** and the Pro card shows **Pro free trial: N days left** with the end date and time.

04. Five days before the end, Weather Wizard shows a one-time **Free Trial Reminder**.

05. When the 30 days end, Pro features lock and Weather Wizard returns to Free. Nothing is deleted: history saved during the trial stays on this PC, hidden, and comes back when you buy Pro. Cloud storage data stays in your own database.

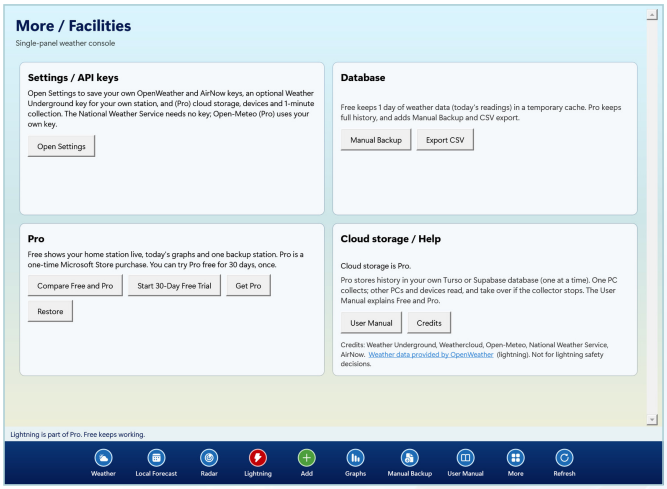
06. Click **Get Pro** at any time during or after the trial to keep Pro permanently.

Once per account and PC
The 30 days run from the moment you took the trial, even while Weather Wizard is closed. Uninstalling and reinstalling, or taking the add-on again, does not restart it: Weather Wizard keeps the first start date on this PC. The button disappears once the trial has been used.

Need more time?
The trial cannot be extended. To ask about a second trial, email Admin@bigskyastro.com.

8. Buying and restoring Pro

Pro is the WeatherWizardPro add-on in the Microsoft Store. It follows the Microsoft account that bought it.



More on Free. The Pro card holds Compare Free and Pro, Start 30-Day Free Trial, Get Pro and Restore. Actual Windows view. Full-size view in the Screen reference atlas.

01. Install Weather Wizard from the Microsoft Store. A copy that was not installed from the Store has no license, so Pro stays locked.

02. Open **More**. On the **Pro** card click **Get Pro**, or click any Pro feature and choose **Get Pro**.

03. Confirm the purchase in the Microsoft Store dialog with the account that should own Pro.

04. Wait until the Pro card says **Pro is active on this PC.** and the badge in the header reads **PRO**.

05. On a new or reset PC, sign in to Windows with the buying account, install from the Store, open **More** and click **Restore**.

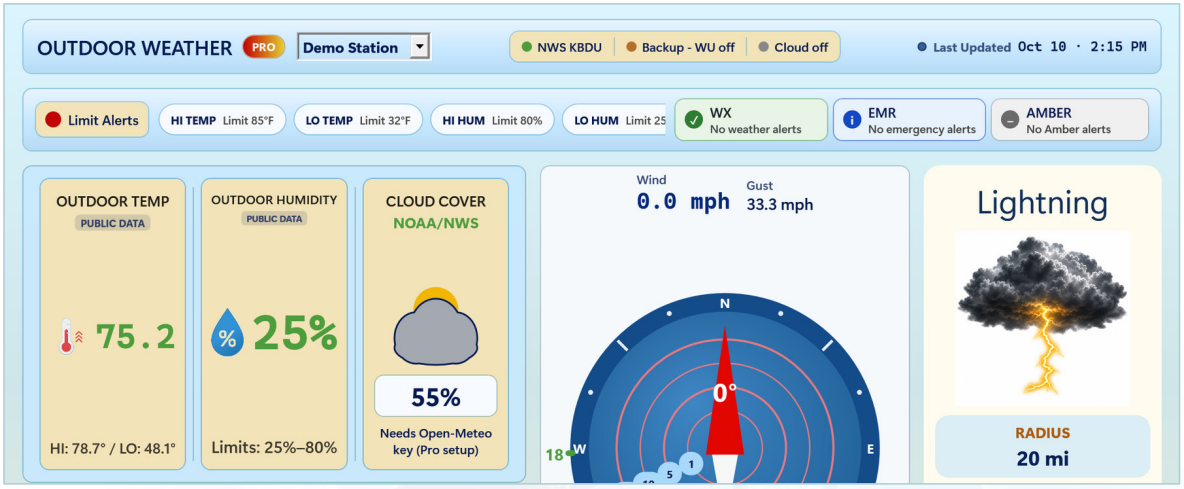
06. Re-enter your provider keys in Settings. Restore checks the license only; it does not copy history, stations or keys.

Offline?
If the Store cannot be reached, Pro stays on from the last license Weather Wizard confirmed.

Provider plans are separate
A paid OpenWeather or Open-Meteo plan is billed by that provider and is not part of Pro.

9. The outdoor weather console

Click Weather on the command bar. This is the screen you leave up. The header names the station and its sources; the large cards show the readings that matter most.



Header, limit chips, official alert cards and the three large readings. Actual Windows view; demo station in Boulder, CO, with sample history. Full-size view in the Screen reference atlas.

01. Choose a saved station from the menu beside **OUTDOOR WEATHER**. The badge next to it reads **FREE** or **PRO**.

02. Read the source pills: each names a source that answered on the last refresh, such as **NWS KBDU**. A missing pill means that source was not part of this pass.

03. Check **Last Updated** at the right. It is the clock time of the data on screen.

04. OUTDOOR TEMP shows today's high and low from your station's own readings, never from a forecast.

05. OUTDOOR HUMIDITY shows the station's humidity limits under the number, such as **Limits: 25%-80%**.

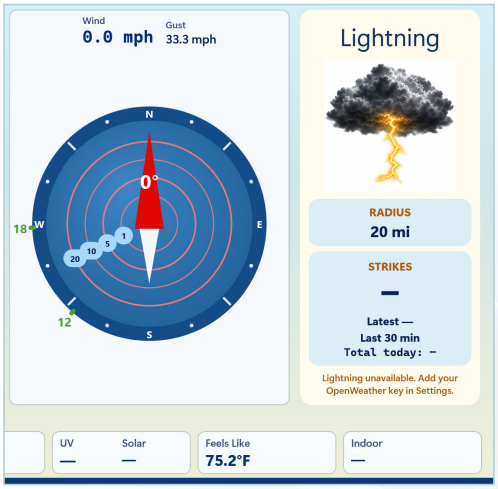
06. CLOUD COVER comes from the NOAA/NWS sky-cover forecast in the US. The low, mid and high layers read **Needs Open-Meteo key (Pro setup)** until your own Open-Meteo key is on.

07. Click **Refresh** at the right end of the command bar for an immediate pass. A full pass can take up to half a minute.

A dash is not a zero
Solar, UV, strikes and air quality stay a dash until that source returns a number. Do not read a dash as clear air, no rain or no lightning.

10. Wind compass, lightning card and detail metrics

The middle of the console is a wind compass that doubles as a lightning range display. The card at the right summarizes lightning, and the row above the command bar holds the detail metrics.



Wind compass with the 1, 5, 10 and 20 mile rings, the Lightning card, and the detail row. Actual Windows view; demo station in Boulder, CO, with sample history. Full-size view in the Screen reference atlas.

01. Read **Wind** and **Gust** above the compass. The red needle points to the wind direction; green ticks are earlier bearings.

02. The rings mark 1, 5, 10 and 20 miles. With Pro and OpenWeather, each strike from the last 30 minutes is drawn as a bolt at its bearing and distance; strikes from the last 5 minutes flash.

03. The **Lightning** card shows **RADIUS**, **STRIKES** in the last 30 minutes, the latest strike and today's total.

04. Under the card, a reason appears when lightning is unavailable, such as **Lightning unavailable. Add your OpenWeather key in Settings.**

05. Read **Detail metrics**: dew point, pressure, rain rate, UV, solar, the apparent temperature and indoor values.

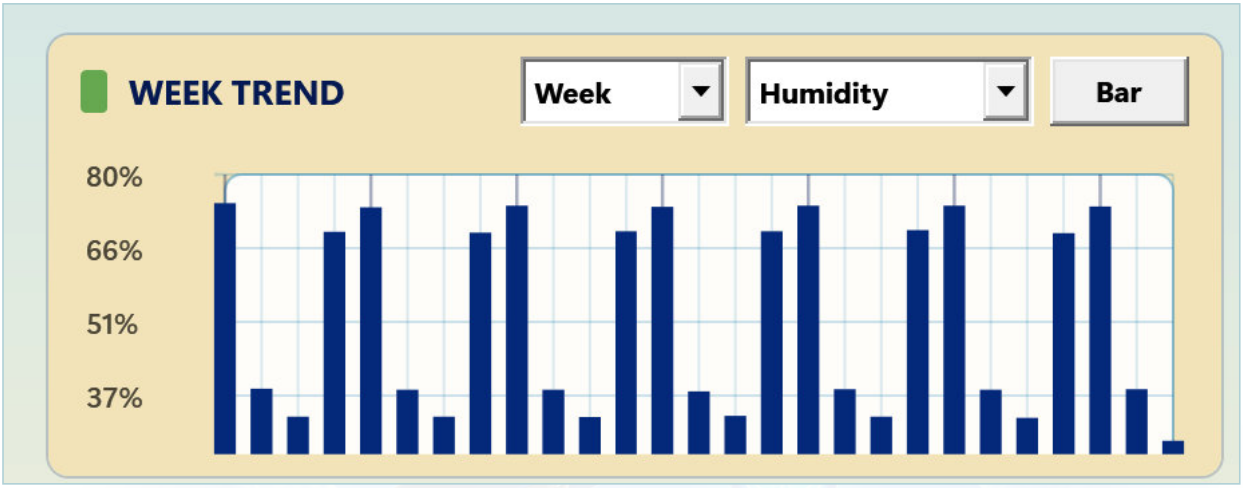
06. The apparent temperature is labeled **Heat Index** at 80 °F and above, **Wind Chill** at 50 °F and below with wind over 3 mph, and **Feels Like** otherwise.

Indoor values
Indoor temperature and humidity come from Supabase, which is Pro cloud storage. Without it, Indoor stays a dash.

Not for lightning safety decisions
OpenWeather lightning is near-real-time and can be delayed or incomplete. Go indoors when you hear thunder.

11. The trend graph

One trend graph sits under the three large readings. Pick a period, a field and Line or Bars. The Graphs window shows the same graph at full size.



Week trend for Humidity drawn as bars. The button at the right switches Line and Bars. Actual Windows view; demo station in Boulder, CO, with sample history. Full-size view in the Screen reference atlas.

01. Choose the period in the first box: **Today** on Free; **12 hr**, **Week**, **Month** and **Year** with Pro.

02. Choose the field in the second box: **Temperature**, **Wind Gust**, **Humidity**, **Pressure** or **Rain**. AQI is a Pro field.

03. Click **Line** or **Bars** to switch how the samples are drawn.

04. Read the left axis for the value and the bottom axis for the time.

05. If the window is short, drag its bottom edge down until the trend card appears; the console page does not scroll.

Why a range looks empty
The trend starts at the station's first saved reading. Week, Month and Year need Pro and enough saved history to fill the range. Free clears its 1-day cache at midnight.

12. Limit alerts and official warnings

The row under the header holds your own thresholds as chips. The three cards beside them are official National Weather Service messages and need no key and no Pro.



Limit chips with saved limits, and the WX, EMR and AMBER cards. Actual Windows view; demo station in Boulder, CO, with sample history. Full-size view in the Screen reference atlas.

01. Read the chips from **Limit Alerts** through HI TEMP, LO TEMP, HI HUM, LO HUM, HI PRES, LO PRES, GUST and AQI.

02. A chip reads **Off** until that limit is saved on the station (Limit fields and lightning range). It is marked active when a live reading crosses the limit.

03. WX is every other NWS alert: red for a Warning, orange for a Watch, yellow for an Advisory, gray for statements. Green means none.

04. EMR covers alerts ending in Emergency plus civil alerts such as Shelter In Place, Evacuation Immediate and Blue Alert.

05. AMBER shows an AMBER alert when the NWS feed includes one. It also appears on EMR.

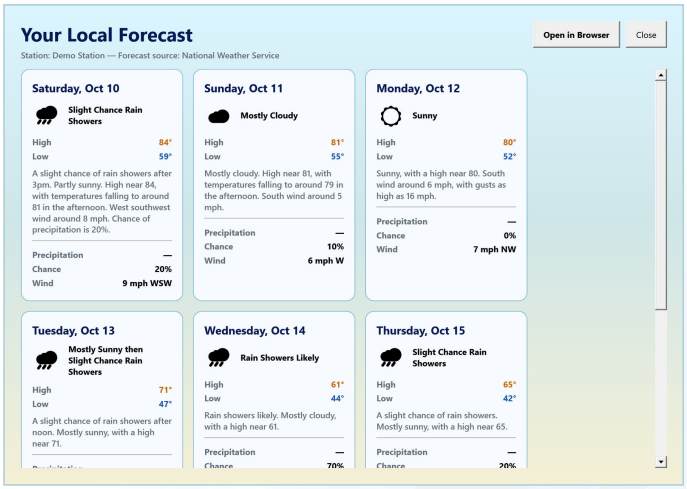
06. With Pro, the AQI chip shows the AirNow index; smoke and air-quality alerts mark it with a short name such as SMOKE.

Sound is optional (Pro)
Chips are silent unless you turn on Audio limit alerts for the station.

A quiet card is not an all-clear
It means that feed had no message of that kind. NWS test messages are never shown.

13. Local Forecast

Local Forecast opens a window of daily forecast cards for the saved station. It is Free.



Your Local Forecast for the demo station, from the National Weather Service. Actual Windows view. Full-size view in the Screen reference atlas.

01. Click **Local Forecast** on the command bar.

02. Read each day's card: **High**, **Low**, **Precipitation**, **Chance**, **Wind** and the forecast text.

03. Scroll the window to see the rest of the week.

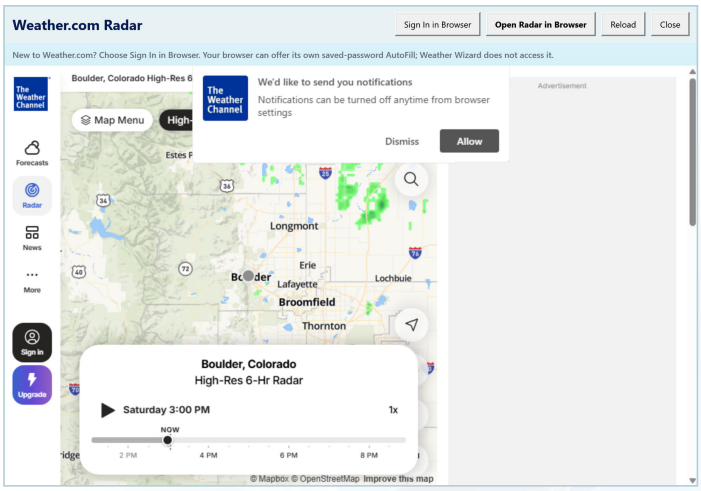
04. Click **Open in Browser** to open the forecast page in your web browser.

05. Click **Close** when you are done. The console stays underneath.

Where the forecast comes from
US stations use the National Weather Service forecast for the station's map point. Your own Weather Underground key, when saved, is credited on this window.

14. Radar

Radar opens the weather.com interactive radar for the station's latitude and longitude inside Weather Wizard. It is Free.



Weather.com Radar centered on the demo station. A third-party advertisement on the weather.com page is masked. Actual Windows view. Full-size view in the Screen reference atlas.

01. Click **Radar** on the command bar.

02. The first time, **Radar Sign-In** explains that weather.com may ask you to sign in. Click **I Understand — Open Radar**, or **Continue Without Saved Sign-In**.

03. Use the radar page's own controls to zoom, pan and change layers.

04. Click **Sign In in Browser** if you want to sign in to weather.com in your own browser.

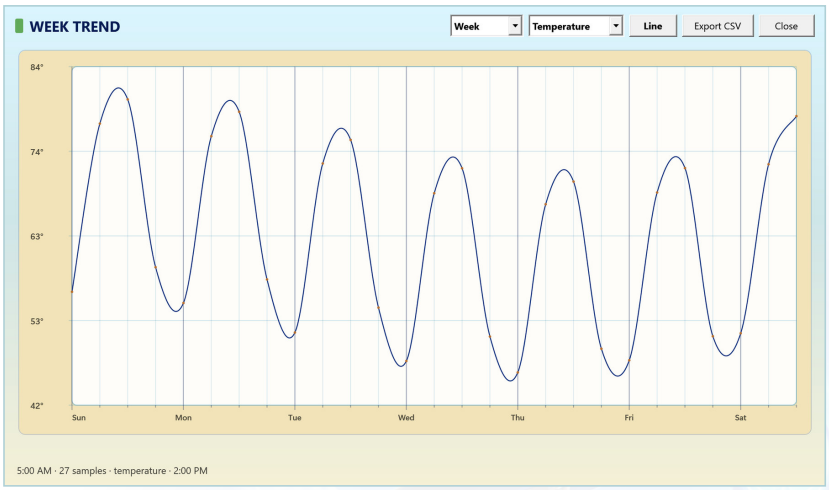
05. Click **Reload** to load the page again, or **Open Radar in Browser** to use your browser instead.

06. If the station has no map point, the window shows **Station Location Needed**. Save a map point in Add, then try again.

Your passwords stay yours
Weather Wizard never asks for a weather.com password and never reads browser or Windows saved passwords.

15. The Graphs window

Graphs (Pro) shows the station's own history at window size, with the same period, field and Line or Bars controls as the console.



The Graphs window, Week period, Temperature, Line. Actual Windows view; demo station in Boulder, CO, with sample history. Full-size view in the Screen reference atlas.

01. Confirm the badge reads **PRO**. On Free, Graphs opens Compare Free and Pro instead.

02. Click **Graphs** on the command bar.

03. Choose a period and a field. Changing them here changes the console trend too.

04. Click **Line** or **Bars**.

05. Read the caption under the graph for the time span and the number of samples.

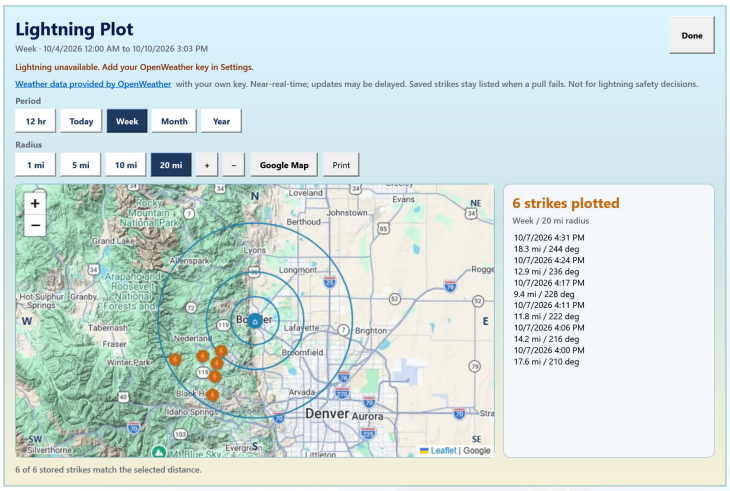
06. Click **Export CSV** to save the station's readings, air quality and lightning as CSV files in Documents.

07. Click **Close**.

Long ranges use summaries
Week, Month and Year read hourly and daily summaries of your history, so a year draws quickly.

16. Lightning Plot

Lightning (Pro) opens the Lightning Plot: a map of saved strikes around the station, a period, a radius, and a strike list.



Lightning Plot, Week, 20 mi radius, with six sample strikes. Map data from Google via Leaflet. Actual Windows view; demo station in Boulder, CO, with sample history. Full-size view in the Screen reference atlas.

01. Click **Lightning** on the command bar. On Free it opens Compare Free and Pro.

02. Choose a **Period**: **12 hr**, **Today**, **Week**, **Month** or **Year**.

03. Choose a **Radius**: **1 mi**, **5 mi**, **10 mi** or **20 mi**. Use **+** and **-** to zoom the map.

04. Read the list at the right: **N strikes plotted**, then each strike's time, distance and bearing.

05. Double-click a strike in the list to open its location on a map in your browser.

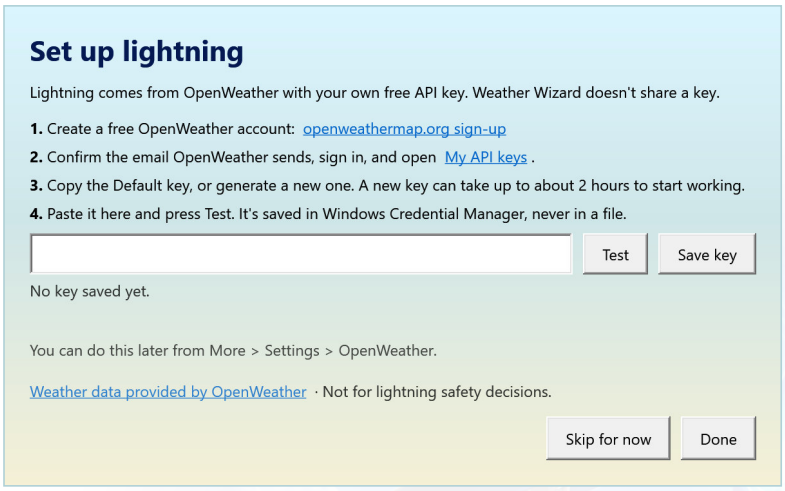
06. Click **Google Map** to open the station area in Google Maps, or **Print** to print the strike list.

07. Click **Done**.

Saved strikes stay listed
Strikes are saved on this PC when OpenWeather reports them, so the plot still shows them when a later pull fails. The line under the map says how many stored strikes match the radius.

17. Set up lightning (OpenWeather key)

Lightning needs your own free OpenWeather API key. The Set up lightning walkthrough opens once when Pro turns on and no key is saved; open it again from More > Open Settings > Set up lightning…



Set up lightning, at the key step. The key box shows dots; Test calls OpenWeather once. Actual Windows view. Full-size view in the Screen reference atlas.

01. Answer **Does your weather station provide lightning data?** Choose **No**, or **Yes, it has a lightning sensor** (Weathercloud and Weather Underground do not pass a home sensor's strikes along, so the walkthrough continues with OpenWeather).

02. Create a free OpenWeather account at openweathermap.org and confirm the email OpenWeather sends.

03. Sign in, open **My API keys**, and copy the Default key or generate a new one.

04. Paste the key into the box and click **Test**. A working key reports how many strikes it found, often 0 in clear weather.

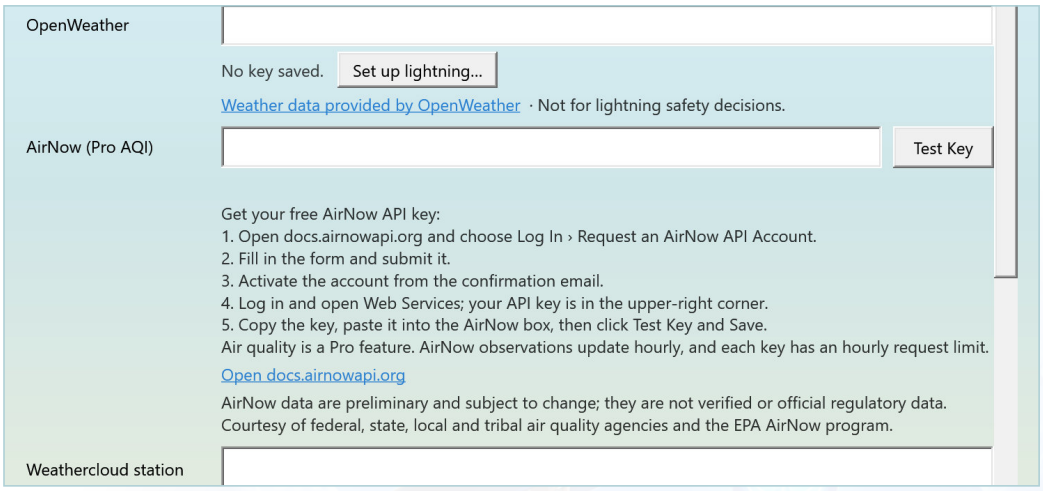
05. Click **Save key**, then **Done**. The key is saved in Windows Credential Manager, never in a file.

06. Click **Skip for now** to close the walkthrough without changing anything.

New keys take time
A new OpenWeather key can take up to about 2 hours to start working. Until then Test reports that OpenWeather did not accept the key.

18. Air quality (AirNow)

With Pro and your own AirNow key, each refresh asks AirNow for the current US air-quality index near the station and shows it on the AQI chip.



Settings, AirNow (Pro AQI), with the key steps and the AirNow credit. Actual Windows view. Full-size view in the Screen reference atlas.

01. Open docs.airnowapi.org and choose **Log In › Request an AirNow API Account**.

02. Fill in the form, submit it, and activate the account from the confirmation email.

03. Log in and open Web Services; copy the API key from the upper-right corner.

04. Open **More > Open Settings**, paste the key into **AirNow (Pro AQI)**, click **Test Key**, then **Save**.

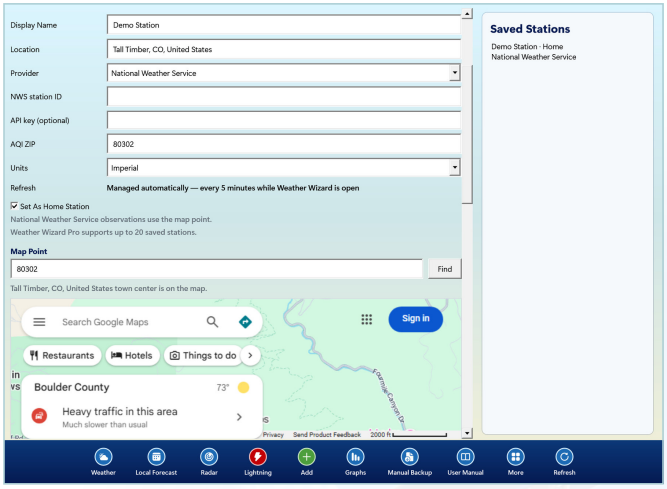
05. Click **Refresh**. The AQI chip shows the index and its category, such as **34 Good**.

06. Point at the chip for the reporting area and the AirNow credit.

> **AirNow is a US service**
> A station outside the AirNow network can show a dash even with a valid key. Observations update hourly and each key has an hourly request limit.

19. Add a free local-forecast station

Every reading comes from a saved station. The quickest station is a National Weather Service point for a US ZIP code. It needs no account.



Add, with Find centering the Google road map on the ZIP's town. Actual Windows view; demo station in Boulder, CO, with sample history. Full-size view in the Screen reference atlas.

01. Click **Add** on the command bar, then **New Station**.

02. Set **Provider** to **National Weather Service**. Leave **NWS station ID** blank to use the nearest station.

03. Under **Map Point**, type a 5-digit US ZIP code and click **Find**. The map centers on that town.

04. Pan the map, or drop a pin, if the point should be somewhere else. Map Point follows the pin, otherwise the map center.

05. Type a **Display Name**. Find fills in **Location** and the town name when those boxes are empty.

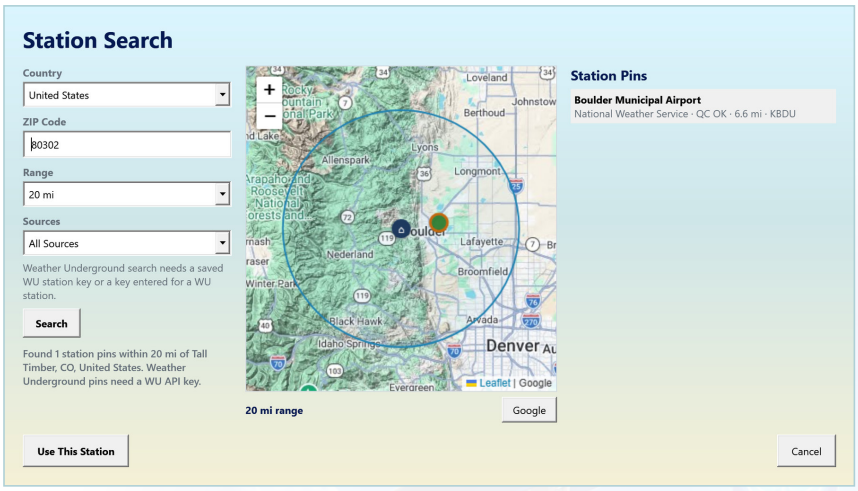
06. Check **Set As Home Station** only if this station should open next time.

07. Click **Save Station**.

ZIP codes work without a key
ZIP codes are looked up on this PC. Searching by town name instead needs your own Open-Meteo key (Pro).

20. Search Read-Only Stations

Search Stations finds public stations near a postal code and shows them as pins, so you can pick one instead of typing its ID.



Station Search for ZIP 80302 with a 20 mile range. Pins and the list fill in from the search. Actual Windows view; demo station in Boulder, CO, with sample history. Full-size view in the Screen reference atlas.

01. On **Add**, click **Search Stations**.

02. Choose a **Country** and type its postal code in the code box (**ZIP Code** in the United States).

03. Choose a **Range** and the **Sources** to search, or keep **All Sources**.

04. Click **Search**. The status line names the town and how many station pins were found.

05. Click a result under **Station Pins**, or its pin on the map, to see it. **Google** opens the area in Google Maps.

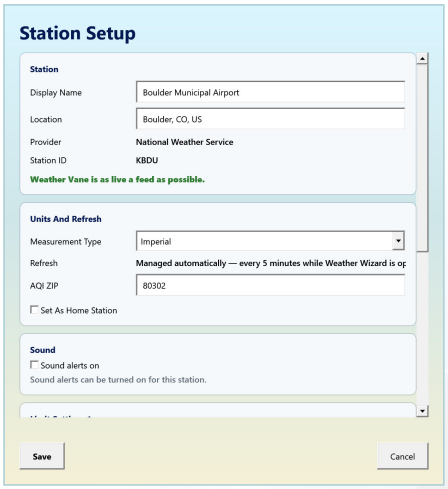
06. Click **Use This Station**. Station Setup opens so you can finish it.

07. Click **Cancel** to close without adding a station.

Weather Underground pins
Weather Underground results need a saved WU station key or a key entered for a WU station. Results from your key are credited "Data provided by Weather Underground".

21. Station Setup after a search

Station Setup opens after Use This Station. It holds the station's name, units, limits and sound in one window.



Station Setup for a National Weather Service airport station chosen from a search. Actual Windows view; sample station. Full-size view in the Screen reference atlas.

01. Check **Display Name**, **Location**, **Provider** and **Station ID**, filled in from the search result.

02. Under **Units And Refresh**, choose the **Measurement Type**. Refresh is managed automatically.

03. Type an **AQI ZIP** if air quality should be looked up for a ZIP code (Pro).

04. Check **Set As Home Station** if this station should open next time.

05. Under **Sound**, check **Sound alerts on** to use audio limit alerts for this station (Pro).

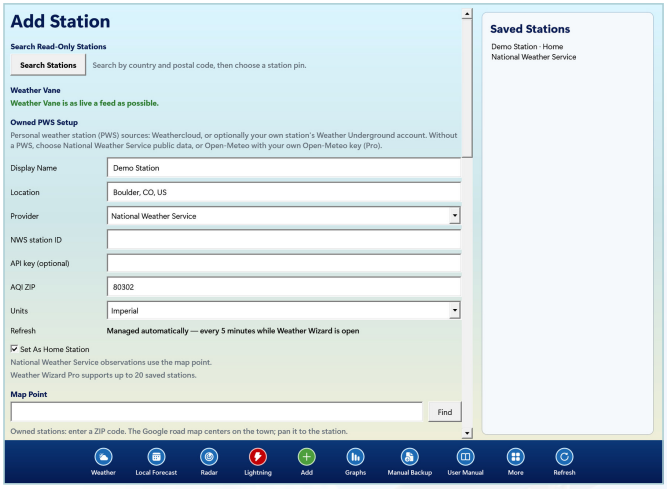
06. Under **Limit Settings**, enter high and low temperature, wind gust, humidity and pressure limits, and the **Lightning Range**.

07. Click **Save**, or **Cancel** to add nothing.

Pro fields
Limit Settings and Lightning Range, marked *, need Pro. On Free they are locked.

22. Add a personal weather station

A personal weather station that uploads to Weathercloud, or to your own Weather Underground account, becomes the home station on Free.



The top of Add: Search Stations, Weather Vane, and Owned PWS Setup. Actual Windows view; demo station in Boulder, CO, with sample history. Full-size view in the Screen reference atlas.

01. Click **Add**, then **New Station**. Under **Map Point**, enter the ZIP code and click **Find**.

02. Change **Provider** to **WeatherCloud**, or to **Weather Underground PWS (optional, your own account)**.

03. Enter the provider's **Station ID**: the Weathercloud device ID, or your Weather Underground PWS ID. They are different.

04. Enter the provider's **API key** if it needs one. The box shows dots.

05. Drop a pin on the instrument in the map, or pan until it is centered, if it is not at the town center.

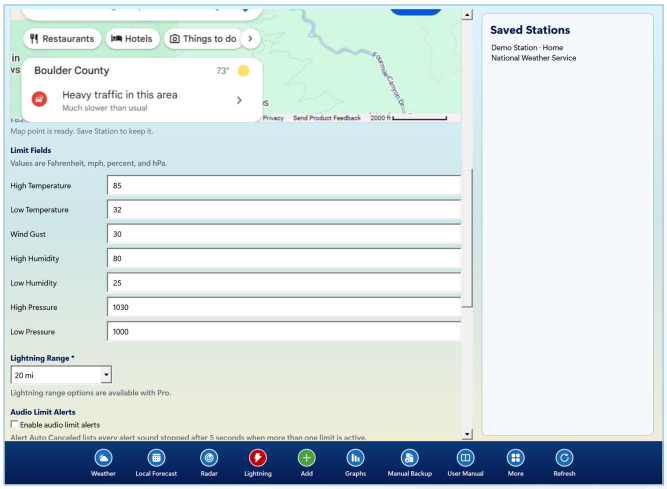
06. Choose **Units**, check **Set As Home Station**, and click **Save Station**.

07. Click **Refresh**. A header pill with the provider's name means it answered.

Weather Underground is your own account
Weather Underground data comes from your own account under The Weather Company's Terms of Use, for personal, non-commercial use. Weather Wizard never supplies or shares a Weather Underground key.

23. Limit fields and lightning range

Limits belong to the station record, not to Settings. They drive the limit chips and the audio alerts.



Limit Fields and Lightning Range on Add, with Pro active. Actual Windows view; demo station in Boulder, CO, with sample history. Full-size view in the Screen reference atlas.

01. Click **Add** and select the station under **Saved Stations**.

02. Scroll to **Limit Fields**. Values are Fahrenheit, mph, percent and hPa.

03. Enter **High Temperature**, **Low Temperature**, **Wind Gust**, **High Humidity**, **Low Humidity**, **High Pressure** and **Low Pressure**. Leave a box empty to turn that chip off.

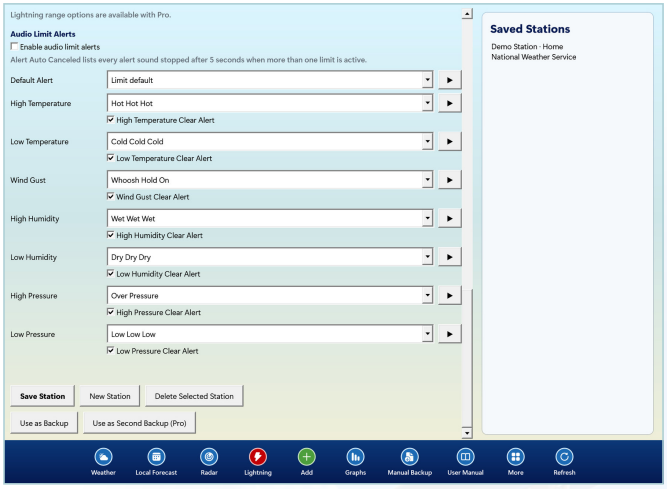
04. Choose the **Lightning Range**: 1, 5, 10 or 20 miles.

05. Click **Save Station**. The chips on the console show the new limits.

> **Pro feature**
> Limit fields and lightning range options unlock with Pro. On Free the boxes are locked and the defaults apply.

24. Audio limit alerts

With Pro, Weather Wizard can play a sound when a live reading crosses one of the station's limits, and tell you when it clears.



Audio Limit Alerts on Add, with a sound and a Clear Alert box for each limit. Actual Windows view; demo station in Boulder, CO, with sample history. Full-size view in the Screen reference atlas.

01. Click **Add**, select the station, and scroll to **Audio Limit Alerts**.

02. Check **Enable audio limit alerts**.

03. Choose a sound for each limit, such as **Hot Hot Hot**, **Cold Cold Cold**, **Whoosh Hold On**, **Wet Wet Wet**, **Dry Dry Dry**, **Over Pressure** or **Low Low Low**.

04. Click the play button beside a sound to hear it.

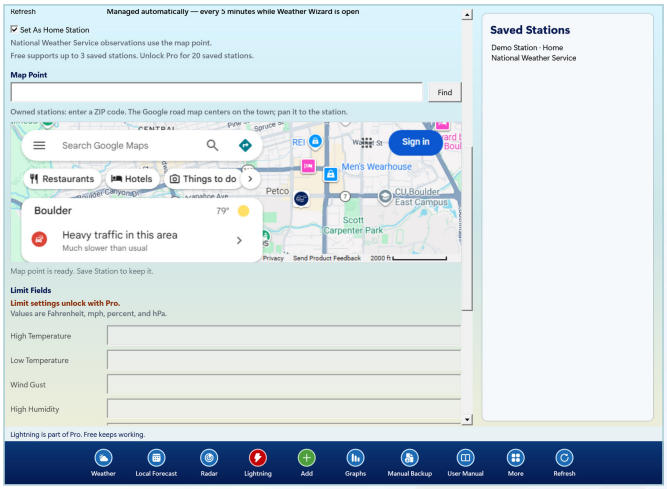
05. Leave **Clear Alert** checked for a limit to get an **Alert Cleared** message when the reading returns inside the limit.

06. Click **Save Station**.

More than one alert
When more than one limit is active, the sound stops after 5 seconds and the status line lists them as Alert Auto Canceled.

25. Backup stations, home station and deleting

A backup station answers when the home station does not. Saved Stations lists every station on this PC.



Add on Free: limit fields are locked and one backup station is available. Actual Windows view. Full-size view in the Screen reference atlas.

01. Click **Add** and pick a nearby station under **Saved Stations**.

02. Click **Use as Backup**. With Pro, pick another and click **Use as Second Backup (Pro)**.

03. To change the station that opens at launch, select it, check **Set As Home Station**, and click **Save Station**.

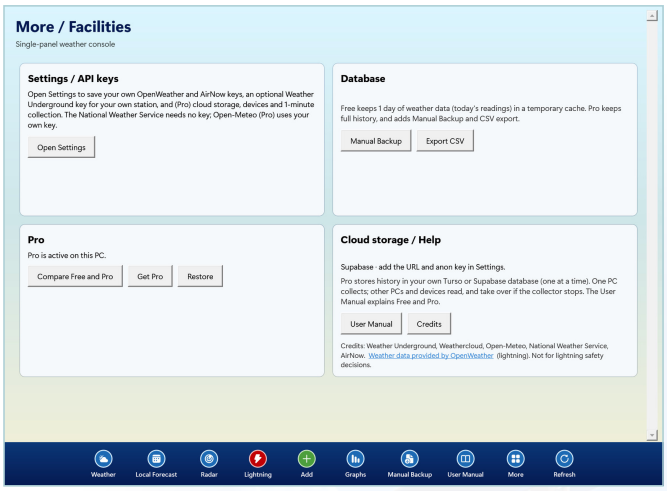
04. To remove a station, select it and click **Delete Selected Station**, then confirm.

05. Use the station menu in the console header to switch stations without changing the home station.

Limits
Free keeps 3 stations and 1 backup station. Pro keeps 20 stations and 2 backup stations.

26. More / Facilities

More replaces the console with four cards: Settings, the database, Pro, and cloud storage and help. Click Weather to return.



More with Pro active. Actual Windows view; demo station in Boulder, CO, with sample history. Full-size view in the Screen reference atlas.

01. Click **More** on the command bar.

02. Settings / API keys: click **Open Settings** for keys, Open-Meteo, storage, devices and collection.

03. Database: **Manual Backup** and **Export CSV** (Pro).

04. Pro: **Compare Free and Pro**, **Get Pro** and **Restore** (on Free, also **Start 30-Day Free Trial** until the trial has been used).

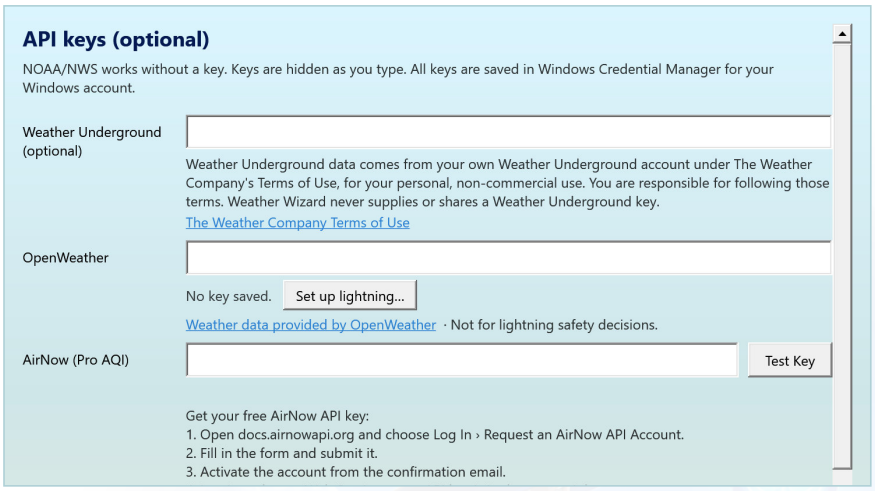
05. Cloud storage / Help: the cloud status, **User Manual** and **Credits**.

06. Click **Weather** on the command bar to return to the console.

Credits
Credits shows the people who make Weather Wizard and the data sources this Windows app uses.

27. Settings and where keys are kept

Settings edits your own provider keys and, with Pro, storage, devices and collection. Station limits are edited on Add, not here.



Settings, API keys (optional). Every key box shows dots, never the key. Actual Windows view. Full-size view in the Screen reference atlas.

01. Open **More > Open Settings**.

02. Paste keys only for the sources you use: **Weather Underground (optional)**, **OpenWeather**, **AirNow (Pro AQI)**.

03. Type the **Weathercloud station** device ID if your station uploads to Weathercloud.

04. Check **Push lightning to Supabase when signed in (Pro)** to share strikes with your other devices through Supabase.

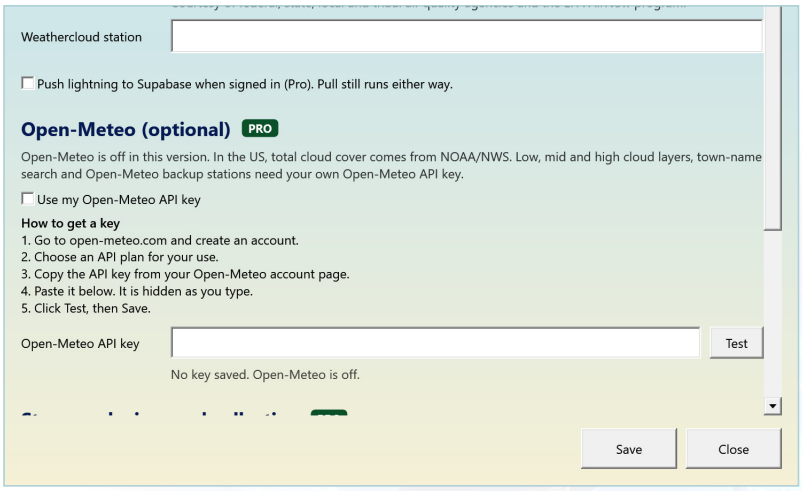
05. Click **Save**. **Close** changes nothing.

Where keys live
All keys are saved in Windows Credential Manager for your Windows account, never in a file. A key an earlier version left in api-keys.json moves into Credential Manager the next time Weather Wizard starts.

Clearing a box removes a key
Weather Underground and AirNow show a saved key as dots. Clearing that box and clicking Save removes it. For OpenWeather and Open-Meteo, a blank box keeps the saved key.

28. Your own Open-Meteo key (Pro)

Open-Meteo is off in this version unless you add your own Open-Meteo API key. With Pro and a key, Weather Wizard adds cloud layers, town-name search and Open-Meteo backup stations.



Settings, Open-Meteo (optional), with the key steps. Actual Windows view. Full-size view in the Screen reference atlas.

01. Go to open-meteo.com and create an account.

02. Choose an API plan for your use and copy the API key from your account page.

03. Open **More > Open Settings**. Under **Open-Meteo (optional)**, paste it into **Open-Meteo API key**.

04. Click **Test**. A working key is saved in Windows Credential Manager.

05. Check **Use my Open-Meteo API key**, click **Save**, then **Refresh**.

06. To stop, clear **Use my Open-Meteo API key** and click **Save**.

Without a key
In the US, total cloud cover still comes from NOAA/NWS, and ZIP-code search still works.

29. Weathercloud, Weather Underground and public sources

Weather Wizard combines the saved station with public sources and the accounts you add. Data can be delayed, unavailable or corrected later.

01. National Weather Service (Free, no key): alerts, the nearest airport observation within 2 hours, the forecast and US cloud cover.

02. Weathercloud (Free): readings from your Weathercloud device. Save the device ID in Settings and as the station's Station ID.

03. Weather Underground (Free, optional): readings from your own station with your own account, PWS ID and key.

04. OpenWeather (Pro): lightning within 31 miles, from your own free key.

05. AirNow (Pro): the US air-quality index, from your own free key.

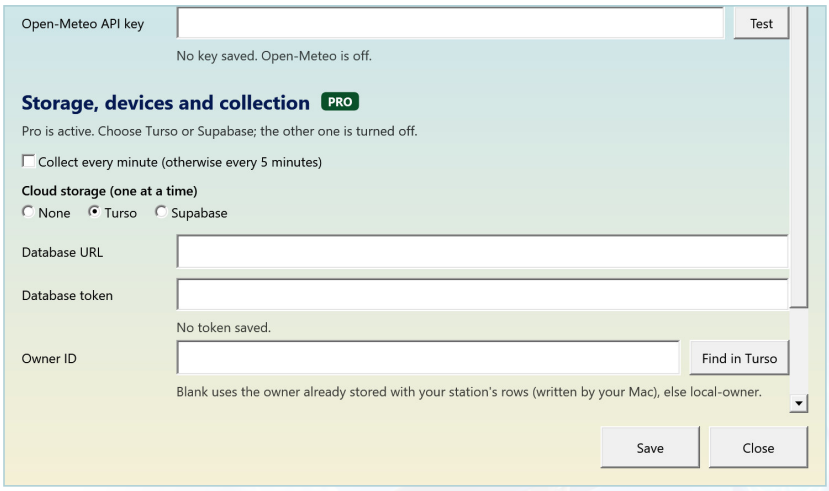
06. weather.com (Free to view) for radar and the browser forecast, and **Google Maps** for the map on Add. Neither needs a sign-in.

Not called by this edition
Ambient Weather and WeatherBug are not used by Weather Wizard for Windows.

Other sites' cookies
BigSkyAstro cannot control what these sites do with information you give them or how they use cookies.

30. Cloud storage: Turso or Supabase

Pro can keep your history in your own cloud database. Choose Turso or Supabase; only one is active at a time. BigSkyAstro does not host or see it.



Settings, Storage, devices and collection, with Turso chosen. Actual Windows view; no database entered. Full-size view in the Screen reference atlas.

01. Open **More > Open Settings** and scroll to **Storage, devices and collection**.

02. Under **Cloud storage (one at a time)**, choose **None**, **Turso** or **Supabase**.

03. For Turso, create a database you own at turso.tech, then paste its **Database URL** (libsql://…) and a **Database token**.

04. Leave **Owner ID** blank to use the owner your Mac already stored for this station, or click **Find in Turso**.

05. For Supabase, enter your project's URL and anon key. Never use a service-role key in the app.

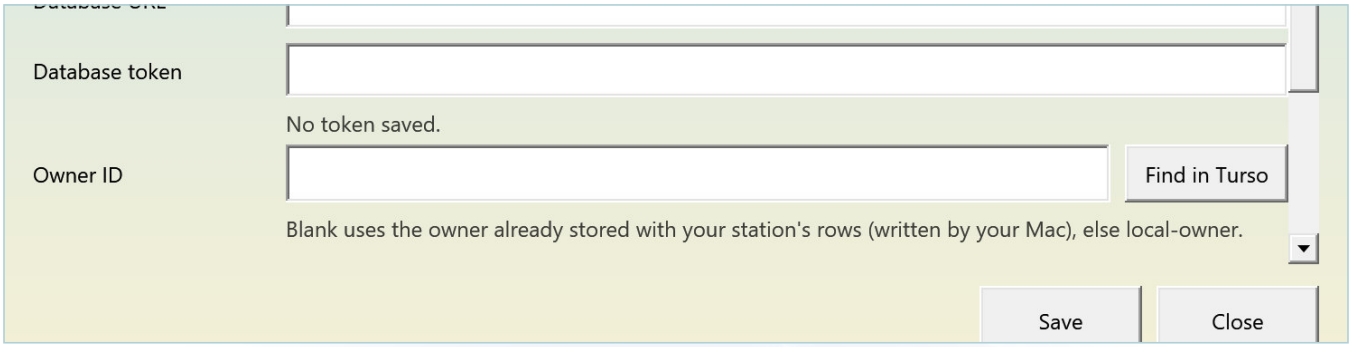
06. Click **Test connection**, then **Save**.

Shared with your Mac and iPhone
Windows writes the same Turso tables as Weather Magic PWS: readings, hourly and daily summaries, lightning and air quality, keyed by your station's ID, so one reading from two devices is one row.

Keep a Manual Backup
Make one before you delete the app or the database.

31. Using more than one PC

With Pro and cloud storage, several PCs can share one station. Each PC is a Collector or Read-only.



Settings, This device: Collector, Read-only and Preferred collector. Actual Windows view. Full-size view in the Screen reference atlas.

01. Restore Pro on each PC with the Microsoft account that bought it.

02. Point every PC at the same Turso or Supabase database.

03. Under **This device**, choose **Collector** on the PC that should save and upload readings.

04. Choose **Read-only** on PCs that should only show the cloud data. They never write and need no OpenWeather key.

05. Check **Preferred collector** on the PC on the station's own network. It takes the job back when it returns.

06. Click **Test connection**, then **Save**.

Automatic takeover
If the collector stops for 10 minutes plus a 5 minute grace period, another collector takes over. Read-only PCs never take over. A new read-only PC syncs up to the last 48 hours in small pages.

32. Collection timing and API usage

Weather Wizard collects while it is open. Knowing when it asks each source helps you stay inside free API limits.

01. The station is collected every 5 minutes while Weather Wizard is open. With Pro, check **Collect every minute** in Settings.

02. Click **Refresh** for an extra pass at any time.

03. Closing Weather Wizard stops new samples. Sleep and standby pause collection; it resumes when the PC wakes.

04. NWS cloud cover refreshes every 30 minutes. OpenWeather lightning counts only answers from the last 10 minutes.

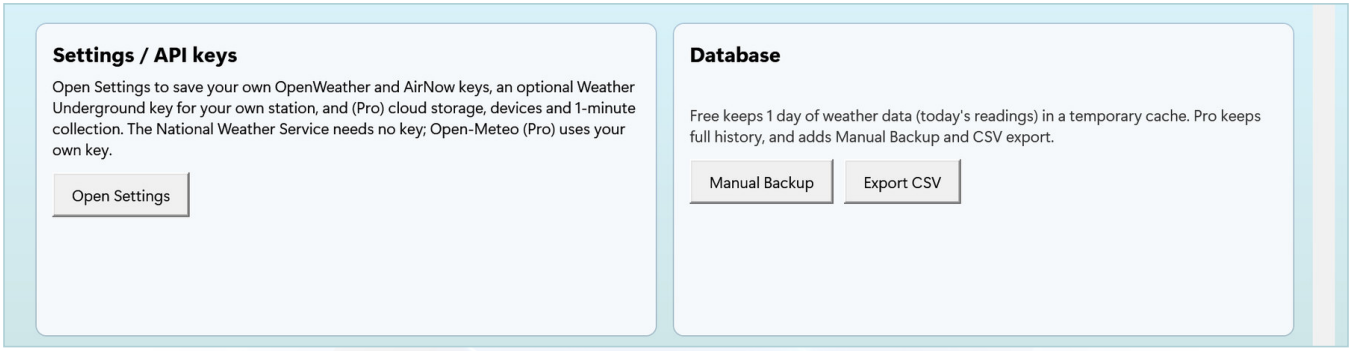
05. AirNow observations change hourly; each AirNow key has an hourly request limit.

06. With more than one PC, only the collector asks the providers; read-only PCs read the cloud database.

Not continuous monitoring
Sampling every 5 minutes, or every minute, is not continuous monitoring. Leave the PC awake and Weather Wizard open when collection matters.

33. History, Manual Backup and Export CSV

Stations, and with Pro your history, are kept in a SQLite file on this PC. Manual Backup copies that file; Export CSV writes readings you can open in a spreadsheet.



The Settings and Database cards on More. Actual Windows view; demo station in Boulder, CO, with sample history. Full-size view in the Screen reference atlas.

01. Find the database: WeatherWizardDesktop.sqlite3. The Microsoft Store copy keeps it in its own LocalCache folder; Troubleshooting, Restore a backup, gives the full path.

02. Click **Manual Backup** (command bar or More) to copy it, with any unsaved readings, to Documents\WeatherWizardDesktop-Backups.

03. Click **Export CSV** on More, or in Graphs, to save readings, air quality and lightning as CSV files in Documents.

04. Read the status line for the full path of the new file.

05. To move to another PC without cloud storage, copy a backup, install from the Store, click **Restore**, close the app, and follow Restore a backup in Troubleshooting.

Free history
Free keeps 1 day of weather data in a temporary cache cleared at midnight. Full history, Manual Backup and Export CSV are Pro.

Keys are not in backups
API keys and the Turso token stay in Windows Credential Manager. Re-enter them on a new PC.

34. Troubleshooting

Find the symptom, read the likely cause, then try the fix. Start with the quick checks: most empty numbers are a source that did not answer this pass, or a Pro tool opened on Free. Reinstalling or buying again is never the first step.

01. Click **Refresh** and wait until **Last Updated** changes. Read the status line under the console; it names the source and the problem.

02. Check the badge: a Pro feature on Free opens Compare Free and Pro instead of the tool.

03. Check the source pills. A missing pill means that source did not answer this pass. A dash means unavailable, never zero.

04. Open **Add** and check the station's Provider, Station ID and Map Point.

05. Open **More > Open Settings** and use **Test**, **Test Key** or **Test connection** for the source in question.

06. Keep Weather Wizard open and the PC awake. It collects only while it is running.

Setup and the console

Symptom	Likely cause	What to try
Setup will not continue	A privacy box is unchecked, or the ZIP is not 5 digits	Check both boxes. Enter a 5-digit US ZIP.
Numbers are dashes	That source did not return a value this pass	A dash is unavailable, not zero. Check the pills and the station, then Refresh.
Station is refused	Free saves up to 3 stations	Delete one on Add, or unlock Pro for up to 20.
Radar window is blank	The weather.com page did not load, or the network blocks it	Click **Reload**, or **Open Radar in Browser**.
User Manual opens in a browser	Windows has no default PDF app	Expected. Set a default PDF app in Windows Settings > Apps > Default apps.

Station not updating, and backup stations

Symptom	Likely cause	What to try
Last Updated does not change	Weather Wizard was closed, the PC slept, or no source answered	Keep it open and the PC awake. Click **Refresh** and read the status line.
Status line: Home station offline. Using backup …	Your home station did not answer; a backup station did	Expected. Check the station console, its Wi-Fi and its uploads. The home station is used again as soon as it answers.
Home station is down and everything is blank	No backup station is saved, or the backup did not answer either	On **Add**, pick a nearby station and click **Use as Backup**. Free keeps 1 backup, Pro 2.
Weathercloud station shows dashes or times out	The Station ID is not the device ID, the station stopped uploading, or Weathercloud is slow	Check the device ID on Add and the station's last upload at app.weathercloud.net. Refresh later.
Weather Underground station shows dashes	Wrong PWS ID, a missing or mistyped key, or the station is offline on WU	Re-enter the key in Settings, check the PWS ID on Add, and check the station page on wunderground.com.

API keys and station search

Symptom	Likely cause	What to try
OpenWeather did not accept the key	The key is wrong, or new (keys can take about 2 hours to activate)	Copy the key again, wait, then **Test** in Set up lightning.
AirNow did not respond in time	AirNow or the connection is slow	Check the connection and click **Test Key** again later.
Open-Meteo Test fails	The key is wrong or the plan has lapsed, or the PC is offline	Paste the key again in Settings and **Test**. ZIP search keeps working without it.
Town-name search needs an Open-Meteo key	Without your own Open-Meteo key, only ZIP codes work	Type a 5-digit US ZIP; ZIP codes are looked up on this PC with no key. Or add your own key (Pro).
That ZIP code could not be resolved to a town	The ZIP is mistyped or not in the list on this PC	Check the 5 digits, try a neighbouring ZIP, or drop a pin on the map.
Weather Underground search needs a saved WU station key	WU pins need your own WU API key	Save a WU station with its key, or enter a key for a WU station first.
A saved key box looks empty	Saved keys are kept in Windows Credential Manager and are not shown	Expected. Use **Test**; type a new key only to replace it.

Lightning and air quality

Symptom	Likely cause	What to try
Lightning: Add your OpenWeather key in Settings	No OpenWeather key is saved	More > Open Settings > **Set up lightning…**, paste the key, **Test**.
OpenWeather's call limit was reached (HTTP 429)	Too many calls for the key's plan	It retries on its own. Turn off **Collect every minute** on a free plan.
The station needs a latitude and longitude	The station has no Map Point	On **Add**, set the Map Point, then **Save Station**.
Strike count is a dash, not 0	A count, even 0, shows only after a fresh answer within 10 minutes	Click **Refresh** and read the reason under the card.
My station's own lightning sensor is missing	Lightning comes from OpenWeather, not from the station feed	Expected. Lightning is for awareness only; when you hear thunder, go indoors.
AQI is a dash	No AirNow key, no AirNow monitor near the station, or Free	Save an AirNow key with Pro, then **Test Key**. AirNow covers the US only.

Official alerts

Symptom	Likely cause	What to try
WX, EMR or AMBER is quiet during a storm	The NWS alerts request did not answer, or the station has no Map Point	A quiet card is not an all-clear. Check weather.gov for your area, then Refresh.
Status: No active NWS alerts	NWS has no active alert for the station's point	Expected. Alerts follow the station's Map Point, not your PC's location.
No alerts or forecast outside the US	NWS alerts and the free forecast cover US locations only	Use your national weather service. Add a WU station with its key for a forecast.

History and graphs

Symptom	Likely cause	What to try
Week, Month or Year will not select	Those ranges are Pro	Stay on Today, or unlock Pro.
Graph is empty or starts late	Graphs start at the first saved reading; Free keeps 1 day, cleared at midnight	Leave Weather Wizard running. With Pro, history builds from now on.
Gaps in a graph	Weather Wizard was closed, the PC slept, or the source did not answer	Keep the PC awake while collecting (Settings > System > Power).
Export failed: …	Documents is not writable, or Controlled folder access blocks it	Free some space. In Windows Security, allow Weather Wizard through Controlled folder access.

Windows notifications, sound and Focus

Symptom	Likely cause	What to try
No Windows notification for an alert	Weather Wizard does not send Windows notifications	Alerts show on the console cards and status line. With Pro, turn on audio limit alerts.
Focus or Do not disturb is on	Focus silences Windows notifications, which Weather Wizard does not use	Nothing to change. Audio limit alerts still play while the app is open.
Audio limit alert is silent	Alerts are off for the station, the volume is muted, or the output device is wrong	On **Add**, check **Enable audio limit alerts** and use the play button. Check the Windows volume mixer.
Sound stops after 5 seconds	More than one limit is active	Expected. The status line lists them as Alert Auto Canceled.

Firewall, proxy and network

Symptom	Likely cause	What to try
Every source fails at once	The PC is offline, or a firewall blocks Weather Wizard	Check the internet connection. Weather Wizard only makes outgoing HTTPS requests; allow it in your firewall or security app.
Works at home, fails at work or school	A proxy or web filter blocks the weather sites	Weather Wizard uses the Windows proxy (Settings > Network & internet > Proxy). Ask the network admin to allow api.weather.gov, api.weather.com, app.weathercloud.net, openweathermap.org, airnowapi.org and open-meteo.com.
Did not respond in time	A slow network or a busy source	Weather Wizard retries on the next pass and keeps the last good data.
Turso did not respond in time, or Turso request failed	The URL is not libsql://, the token was refused, or the network blocks turso.io	Paste the URL again, make a new token, then **Test connection**.

Microsoft Store license and Pro

Symptom	Likely cause	What to try
This copy is not the Microsoft Store package, so Pro stays locked	The app was not installed from the Store	Install Weather Wizard from the Microsoft Store.
Microsoft Store could not be reached	The PC is offline or the Store is signed out	A Pro license confirmed before stays on; otherwise Free keeps running. Check the connection; open the Store app and sign in.
Purchase cancelled	The Store window was closed	Nothing was charged. Weather Wizard keeps running in Free.
Purchase could not be completed	The Store refused the payment or the account	Open the Microsoft Store app, check the account and payment, then try again.
Pro is missing on a new PC	Pro has not been restored, or a different Microsoft account is signed in	Sign in with the buying account, then More > **Restore**. Never buy Pro twice.
No Start 30-Day Free Trial button	The trial was already used with this account or on this PC, or Pro is owned	Expected: the trial is once. Click **Restore** to show its dates; buy Pro to keep Pro.
Pro locked after the free trial	The 30 days ended; they run even while the app is closed	Click **Get Pro**. History saved during the trial comes back with Pro.
The free trial needs this PC's date and time to be correct	The PC clock is behind the Store's trial date	Set the date and time automatically in Windows Settings, then click **Restore**.
The free trial is not available right now	The Store is offline, or the trial add-on is not offered yet	Check the connection and try again later. Free keeps running.
Want more trial time	The trial cannot be extended	Buy Pro, or email Admin@bigskyastro.com to ask about a second trial.

Backup and restore

Symptom	Likely cause	What to try
Manual Backup opens Compare Free and Pro	Manual Backup is Pro	Unlock Pro, or keep your stations saved.
Backup failed: …	Documents is not writable, the disk is full, or Controlled folder access blocks it	Free some space, or allow Weather Wizard in Windows Security.
Where are my backups?	Each backup is a dated .sqlite3 file in the WeatherWizardDesktop-Backups folder in Documents	The status line shows the full path after each backup.
How do I restore a backup?	There is no in-app restore; Restore on More is the Pro license	Follow Restore a backup, below.
Keys are missing after a restore or on a new PC	Keys stay in Windows Credential Manager, not in backups	Expected. Enter them again in Settings.

Restore a backup
Close Weather Wizard. The Microsoft Store copy keeps its database inside its package: in File Explorer, type %LOCALAPPDATA%\Packages in the address bar, then open BigSkyAstro.WeatherWizard_6fthdq1z006kr, then LocalCache\Local\WeatherWizardDesktop. Rename the current WeatherWizardDesktop.sqlite3 to keep it, copy the backup in, rename the backup WeatherWizardDesktop.sqlite3, then reopen Weather Wizard. Uninstalling Weather Wizard deletes this folder, so keep backups in Documents or on another drive.

Still need help?
Email support@bigskyastro.com. Include the Weather Wizard version (Windows Settings > Apps > Installed apps > Weather Wizard > Advanced options), your Windows version, whether the badge reads FREE or PRO, the weather source (Weather Underground, Weathercloud, NWS, OpenWeather, AirNow or Open-Meteo), and what you saw: the exact status-line text and the Last Updated time. Never send API keys, a Turso token, a Supabase key or any password.

35. API errors and limits

Every outside source can refuse a request. Weather Wizard shows the reason on the card or status line and keeps the last good data.

Message or code	Meaning	What to do
HTTP 401 / key not accepted	The key is wrong, revoked, or not active yet	Copy the key again. New OpenWeather keys can take 2 hours.
HTTP 429 / limit reached	Too many requests for that key's plan	Wait, then Refresh. Avoid 1-minute collection on free plans.
Timeout or no answer	The network or the source is down	Weather Wizard retries on the next pass. Check the connection.
Answer could not be read	The source changed or sent an error page	Refresh later. Report it if it persists.
NWS directory unavailable	The NWS station list did not answer during a search	Search again later; other sources still list.
Station search failed	The postal code was not found, or a lookup failed	Check the code and the Country, then Search again.
Login failed (Supabase)	The project URL or anon key is wrong	Correct them in Settings, then Test connection.
Waiting for the first sync from your collector	A read-only PC has not synced yet	Leave it open; the first sync can take a few refreshes.

Keys never appear in messages
Error text names the source and the problem, never the key.

36. Privacy and safety

Weather Wizard has no BigSkyAstro account. Its database, backups and settings stay on your PC. The Microsoft account is used only for the Store purchase.

01. Weather requests go only to the sources you use. They see the coordinates or station ID needed for each request.

02. Keys are sent only to their own provider. They never appear in this manual, the status line or error messages.

03. With Pro cloud storage, readings go only to your own Turso or Supabase database.

04. Get Pro and Restore talk to the Microsoft Store. They send the purchase request, not your weather data.

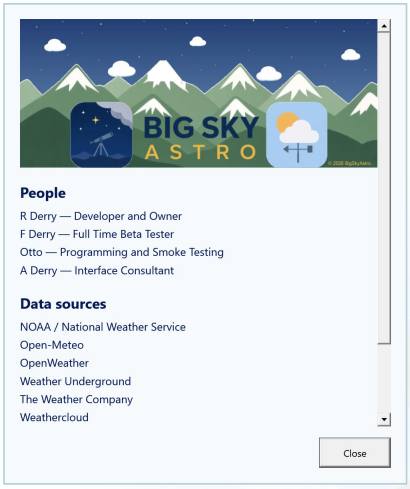
05. Google Maps (Add, Station Search, Lightning) and weather.com (Radar) load inside the app; their sites set their own cookies.

Safety limits
Weather Wizard is not a warning system. Missing data is not an all-clear. Personal stations are consumer instruments; siting and calibration affect readings. When you hear thunder, go indoors.

Privacy policy
Read the full policy at https://bigskyastro.com/privacy/.

37. Support, feedback and edition limits

BigSkyAstro answers as fast as possible. A support message never needs your name, a user ID or your location.



Credits, from More or Settings. Actual Windows view. Full-size view in the Screen reference atlas.

01. Write to support@bigskyastro.com, or use the feedback page at https://bigskyastro.com/feedback/weather-wizard.html.

02. Include your Windows version and whether the badge reads FREE or PRO.

03. Describe what you clicked, what you expected, and what you saw. Copy the status line and Last Updated time.

04. Say which source pills show, and whether it happens on one station or all of them.

05. Mask station IDs, and never include passwords, API keys, a Turso token or a Supabase key.

Not in this edition
No graph PDF export, no manual log entries, and no Ambient Weather or WeatherBug. Pro is the 30-day free trial or a one-time purchase; you do not type an activation code into the app. If you bought Weather Wizard before it was a free download, email support@bigskyastro.com with your Microsoft Store order number. If a voice call is needed, it asks only for a first name and a phone number, kept until the issue is resolved.

Screen reference atlas



01 / Weather console, Pro. Actual Windows view; sample data from the demo station, simulated Pro where shown. Zoom for control details.

Weather console, Free



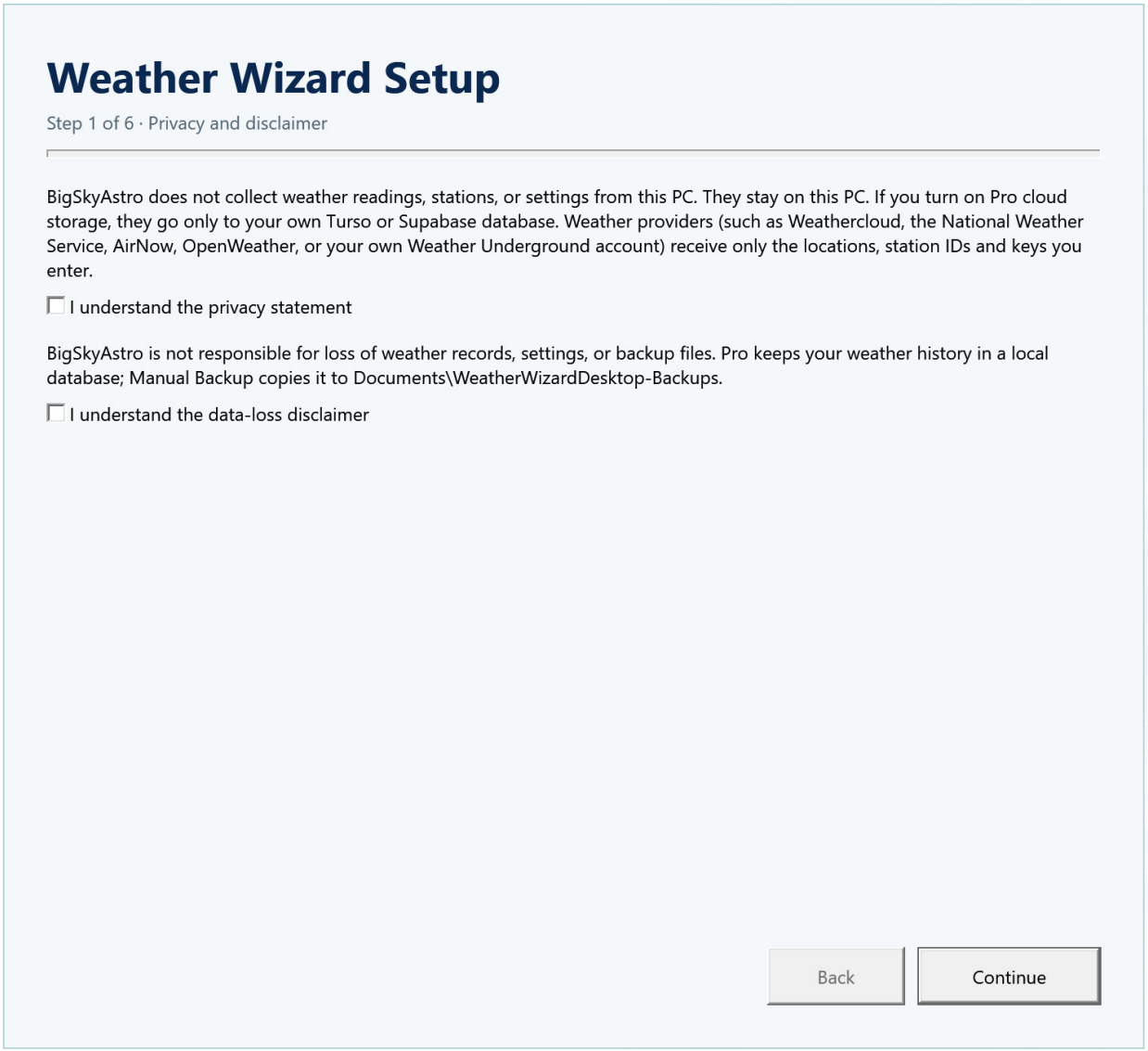
02 / Weather console, Free. Actual Windows view; sample data from the demo station, simulated Pro where shown. Zoom for control details.

Trend as bars



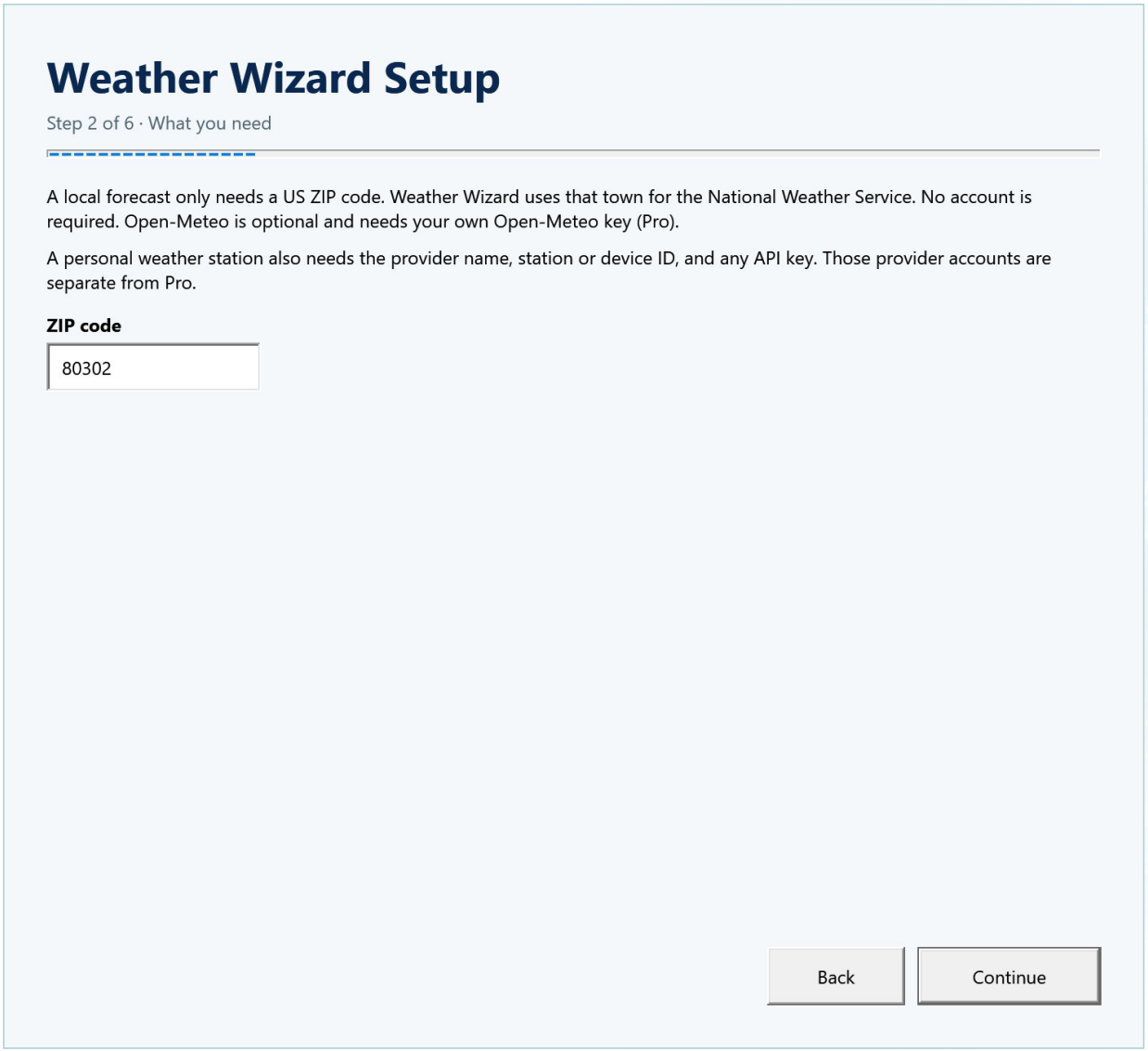
03 / Trend as bars. Actual Windows view; sample data from the demo station, simulated Pro where shown. Zoom for control details.

Setup step 1, privacy



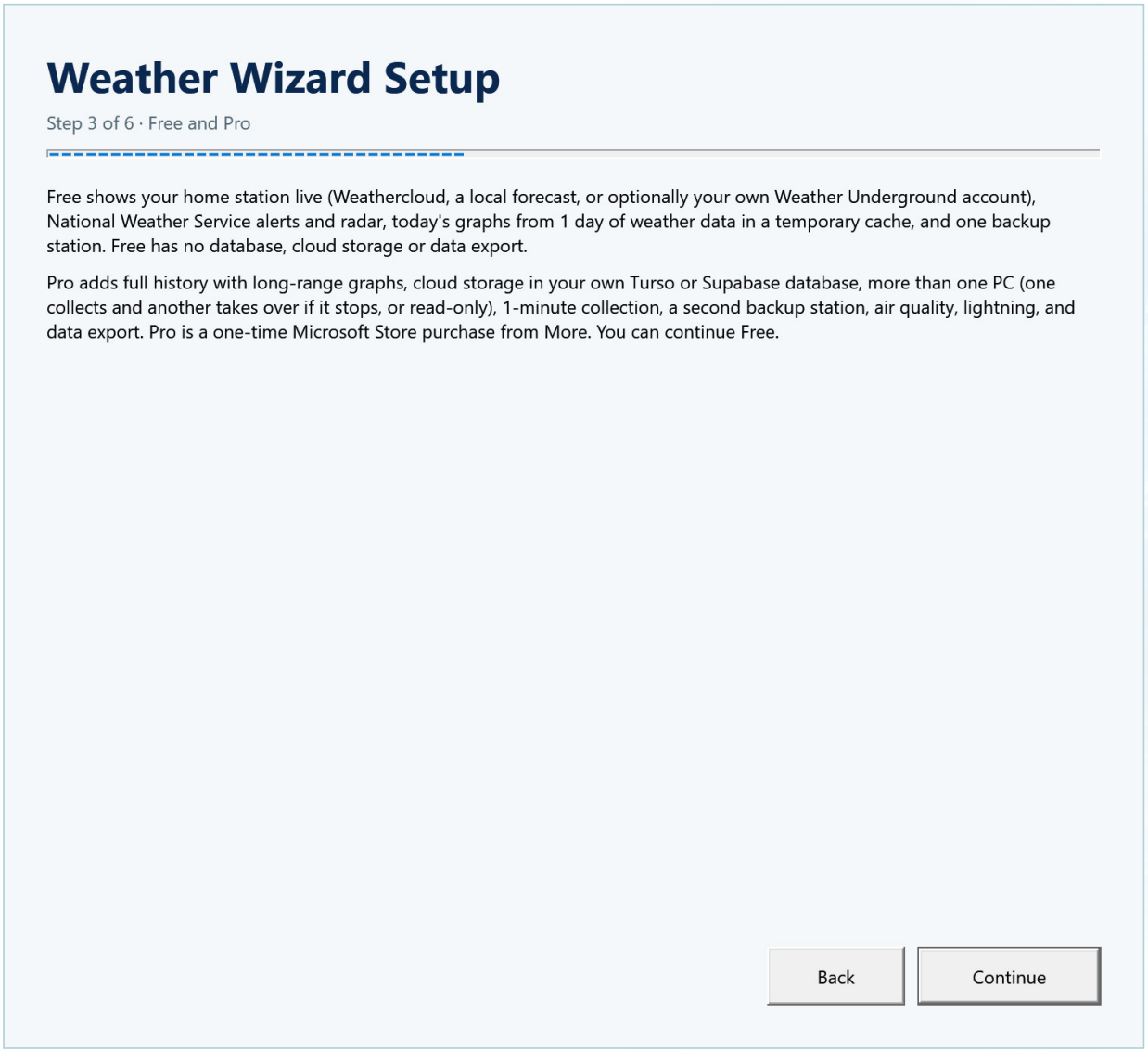
04 / Setup step 1, privacy. Actual Windows view; sample data from the demo station, simulated Pro where shown. Zoom for control details.

Setup step 2, ZIP code



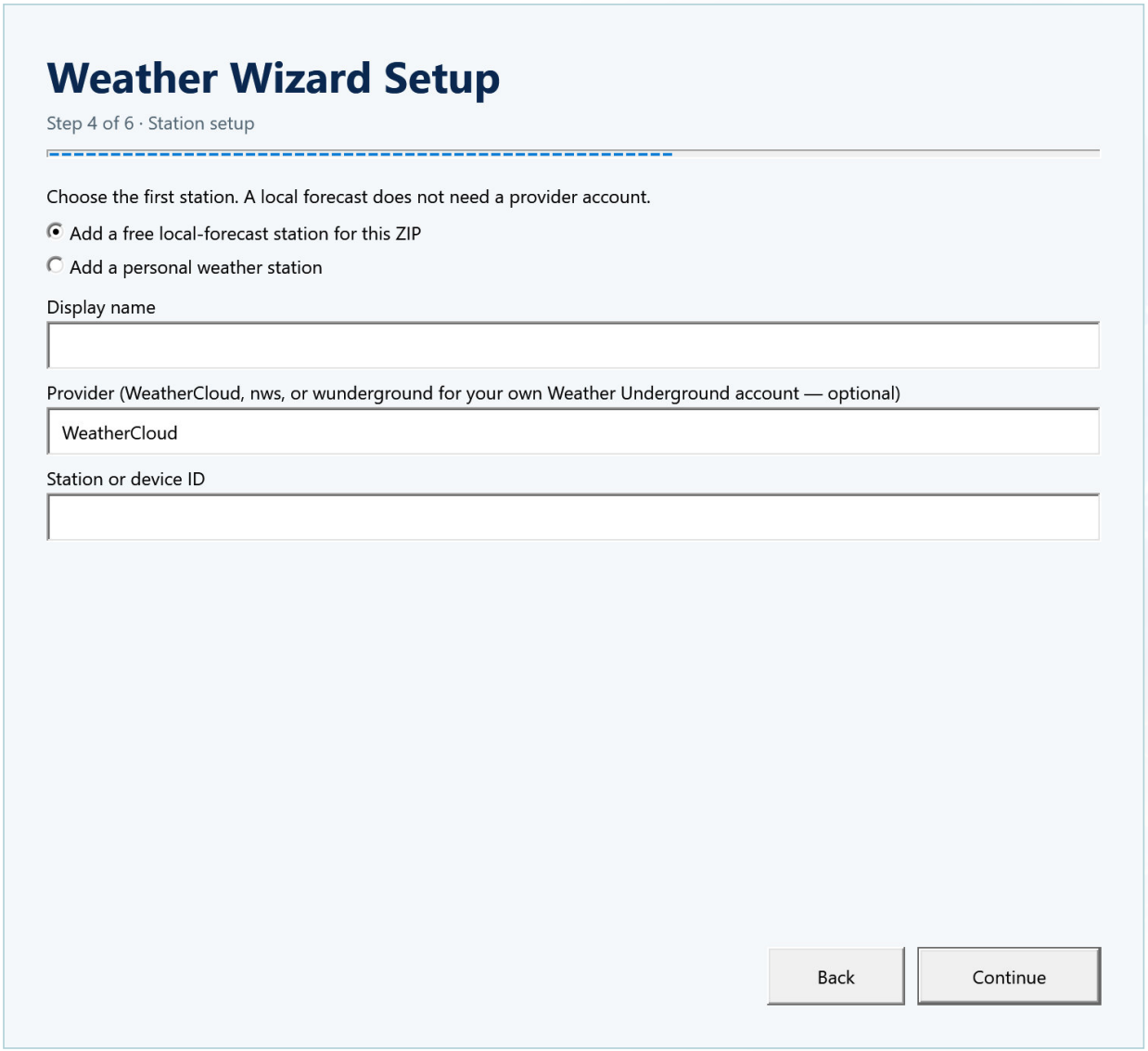
05 / Setup step 2, ZIP code. Actual Windows view; sample data from the demo station, simulated Pro where shown. Zoom for control details.

Setup step 3, Free and Pro



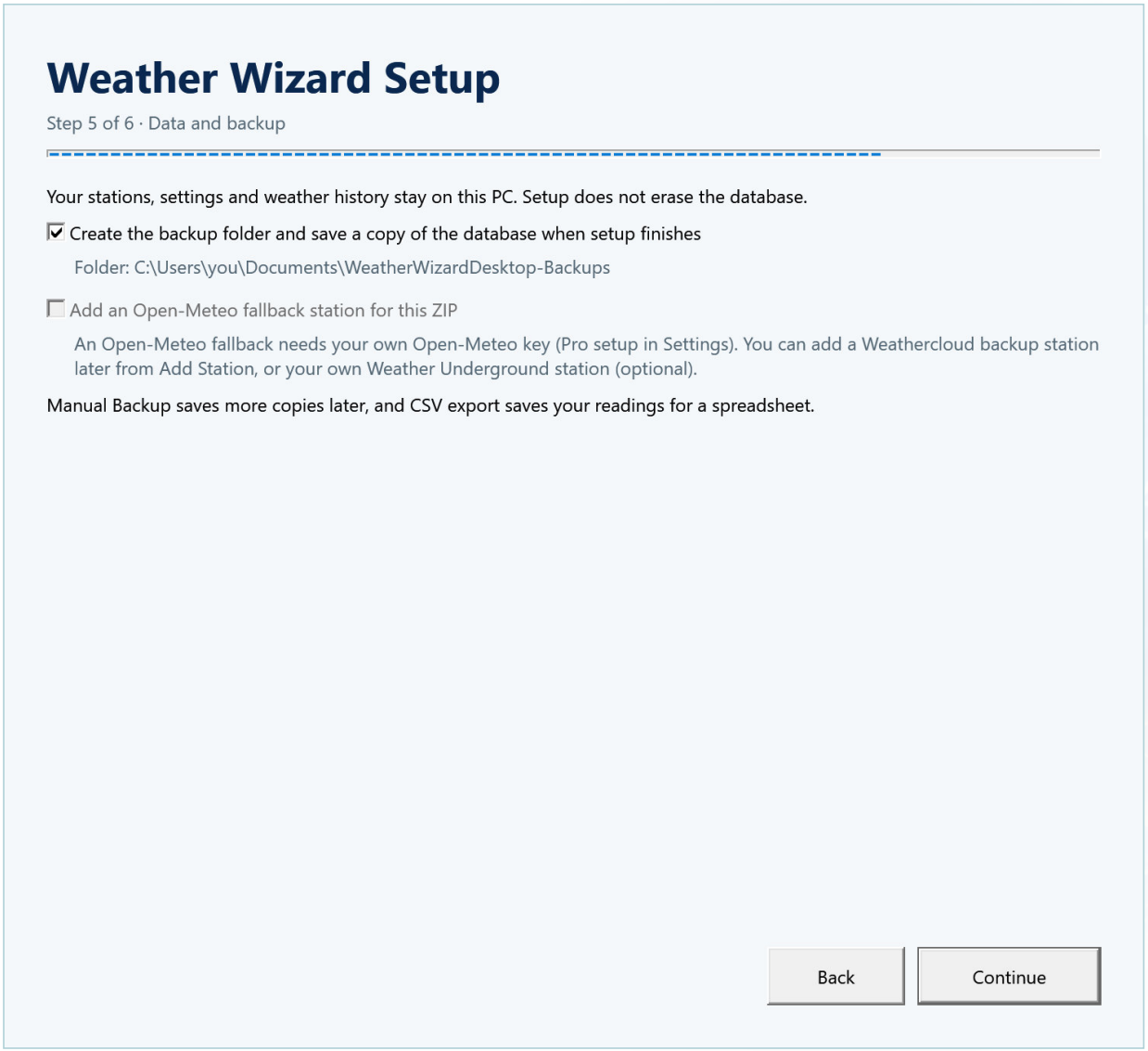
06 / Setup step 3, Free and Pro. Actual Windows view; sample data from the demo station, simulated Pro where shown. Zoom for control details.

Setup step 4, station



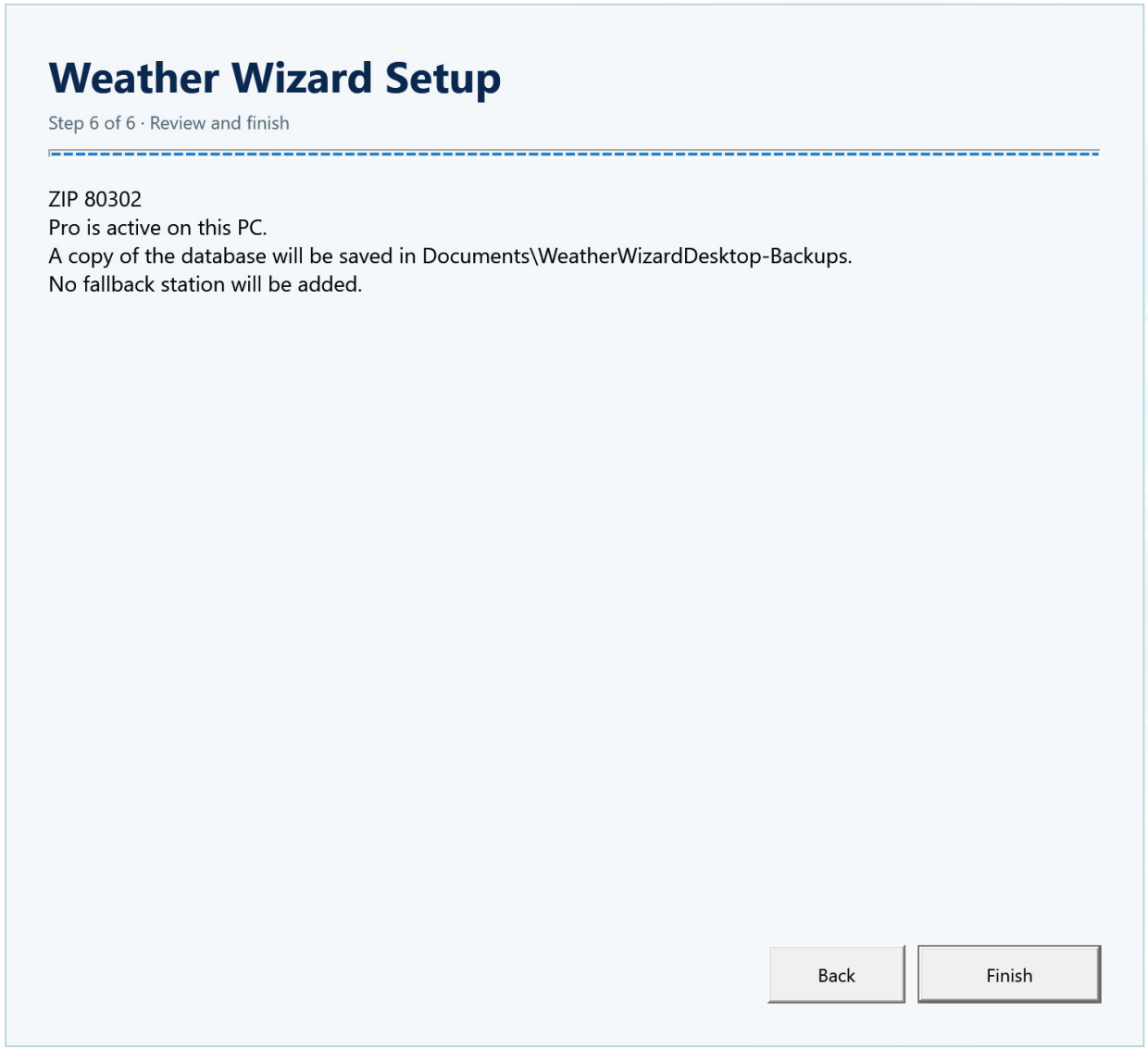
07 / Setup step 4, station. Actual Windows view; sample data from the demo station, simulated Pro where shown. Zoom for control details.

Setup step 5, data and backup



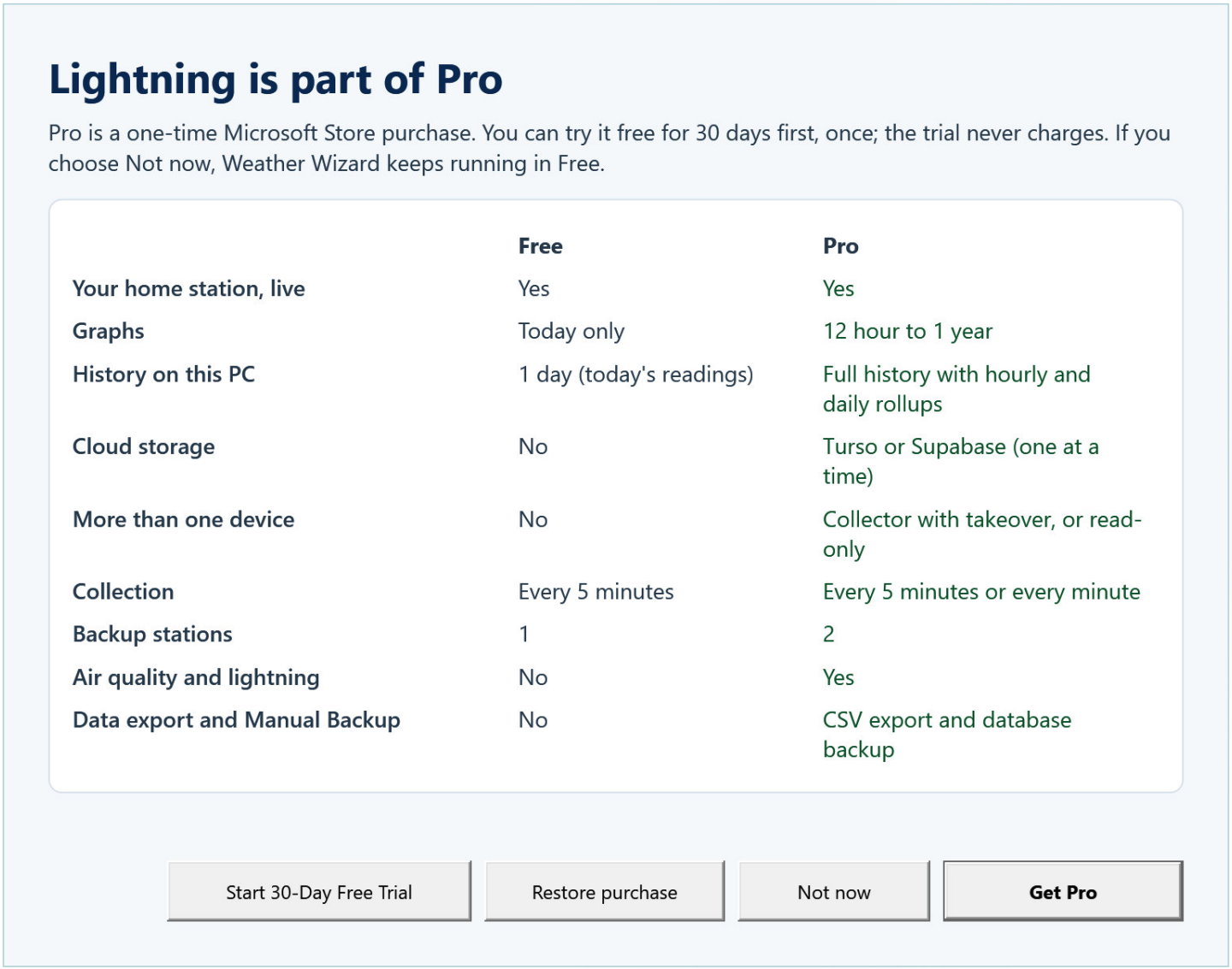
08 / Setup step 5, data and backup. Actual Windows view; sample data from the demo station, simulated Pro where shown. Zoom for control details.

Setup step 6, review



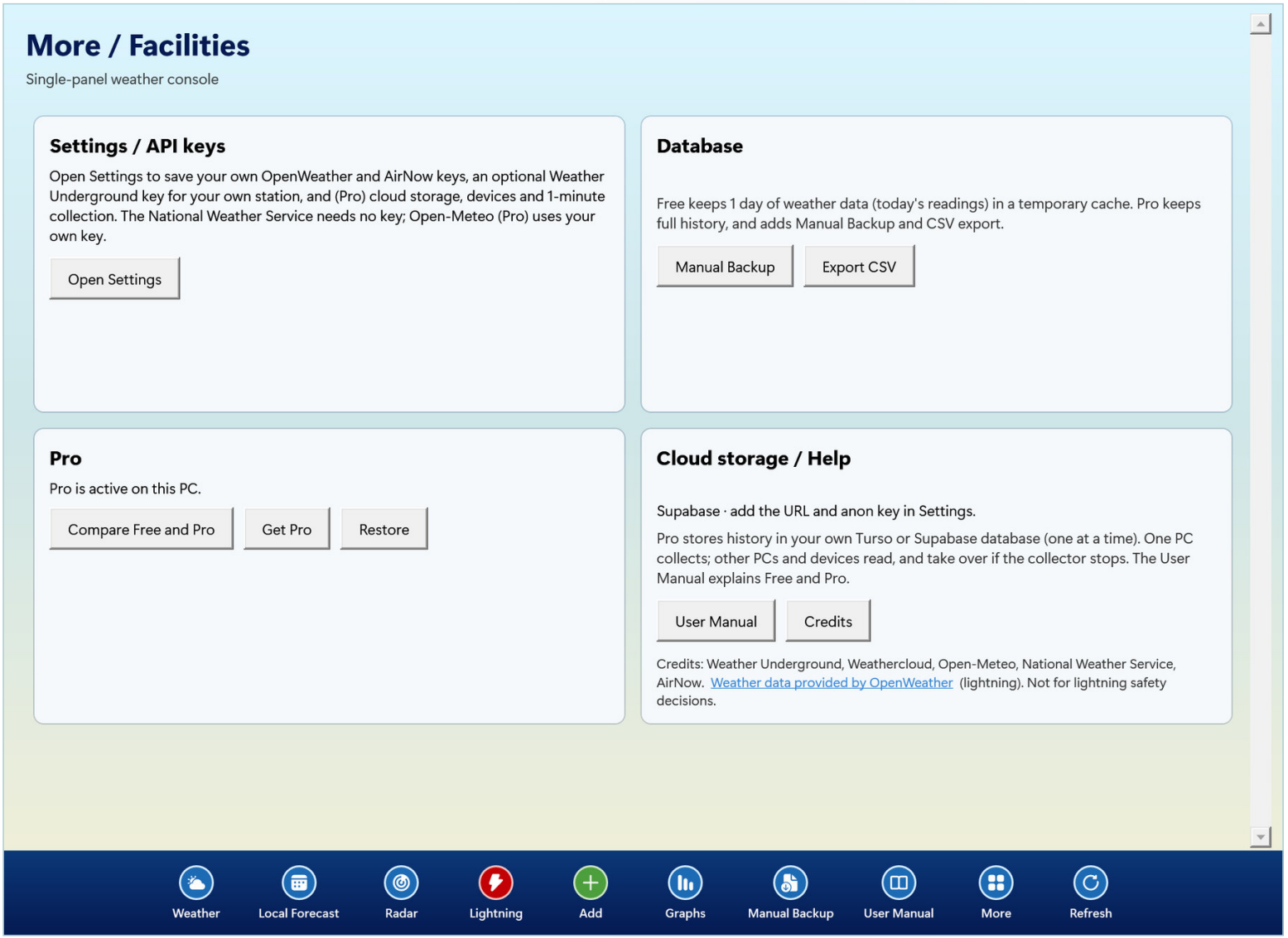
09 / Setup step 6, review. Actual Windows view; sample data from the demo station, simulated Pro where shown. Zoom for control details.

Compare Free and Pro



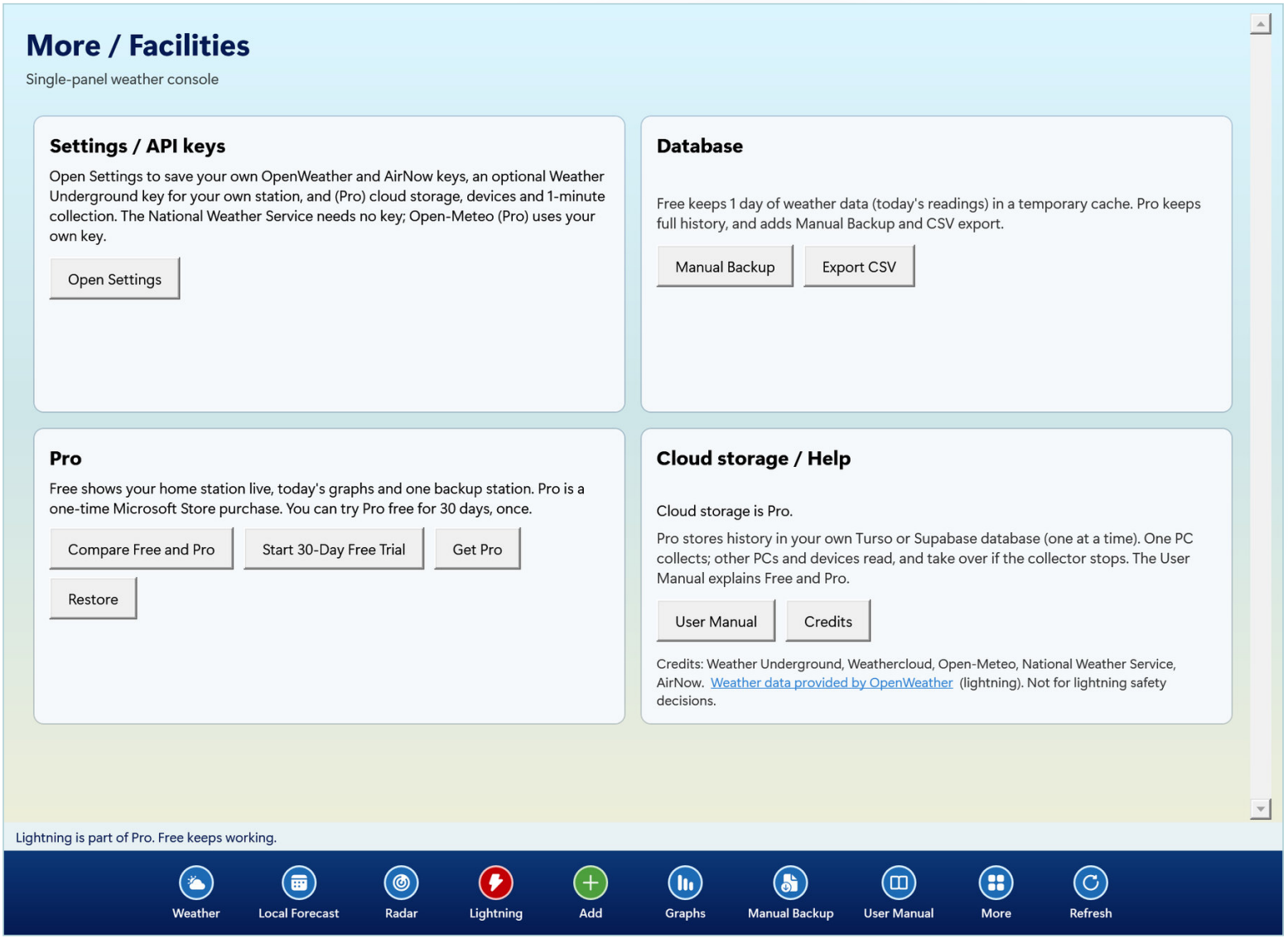
10 / Compare Free and Pro. Actual Windows view; sample data from the demo station, simulated Pro where shown. Zoom for control details.

More, Pro



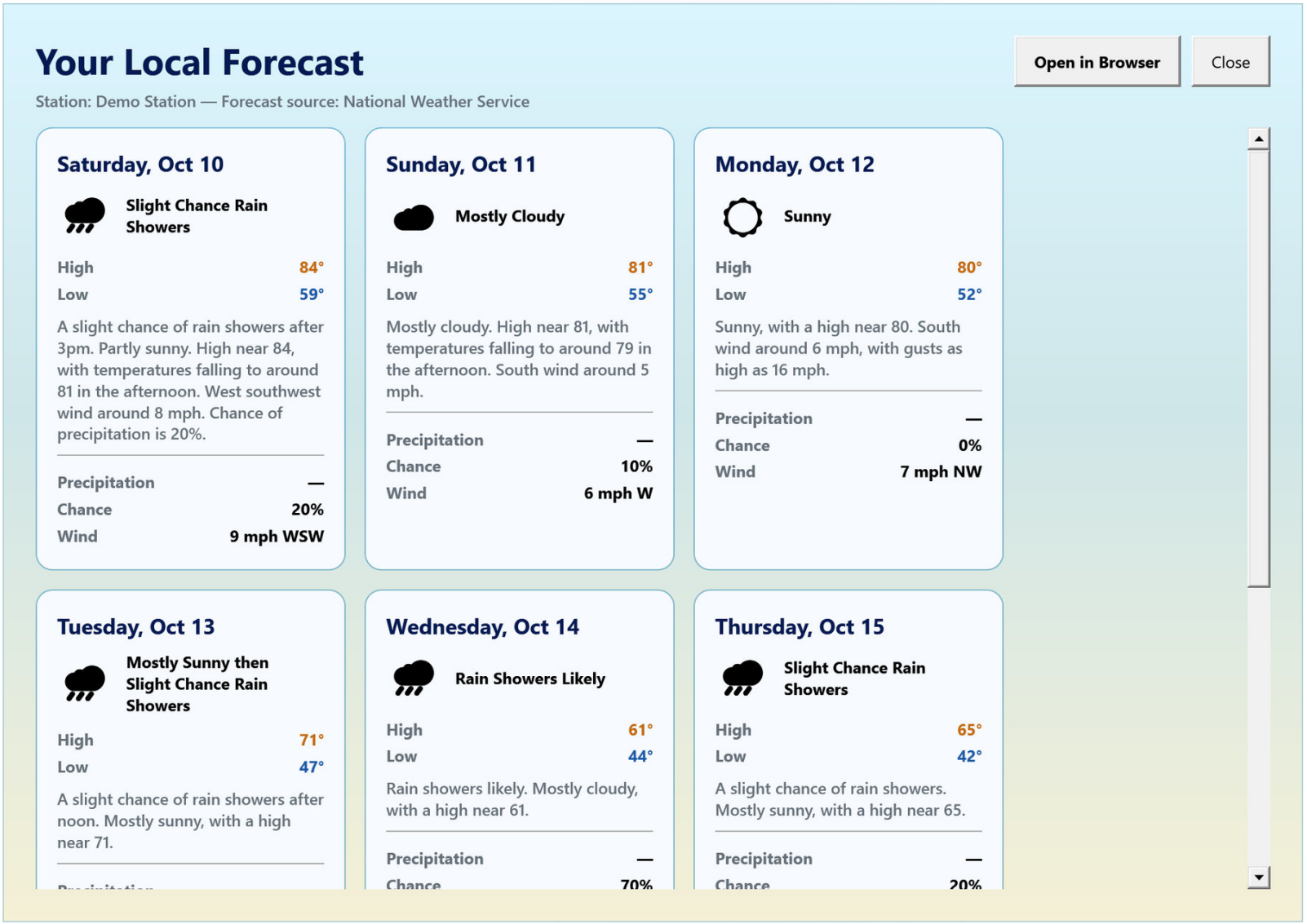
11 / More, Pro. Actual Windows view; sample data from the demo station, simulated Pro where shown. Zoom for control details.

More, Free



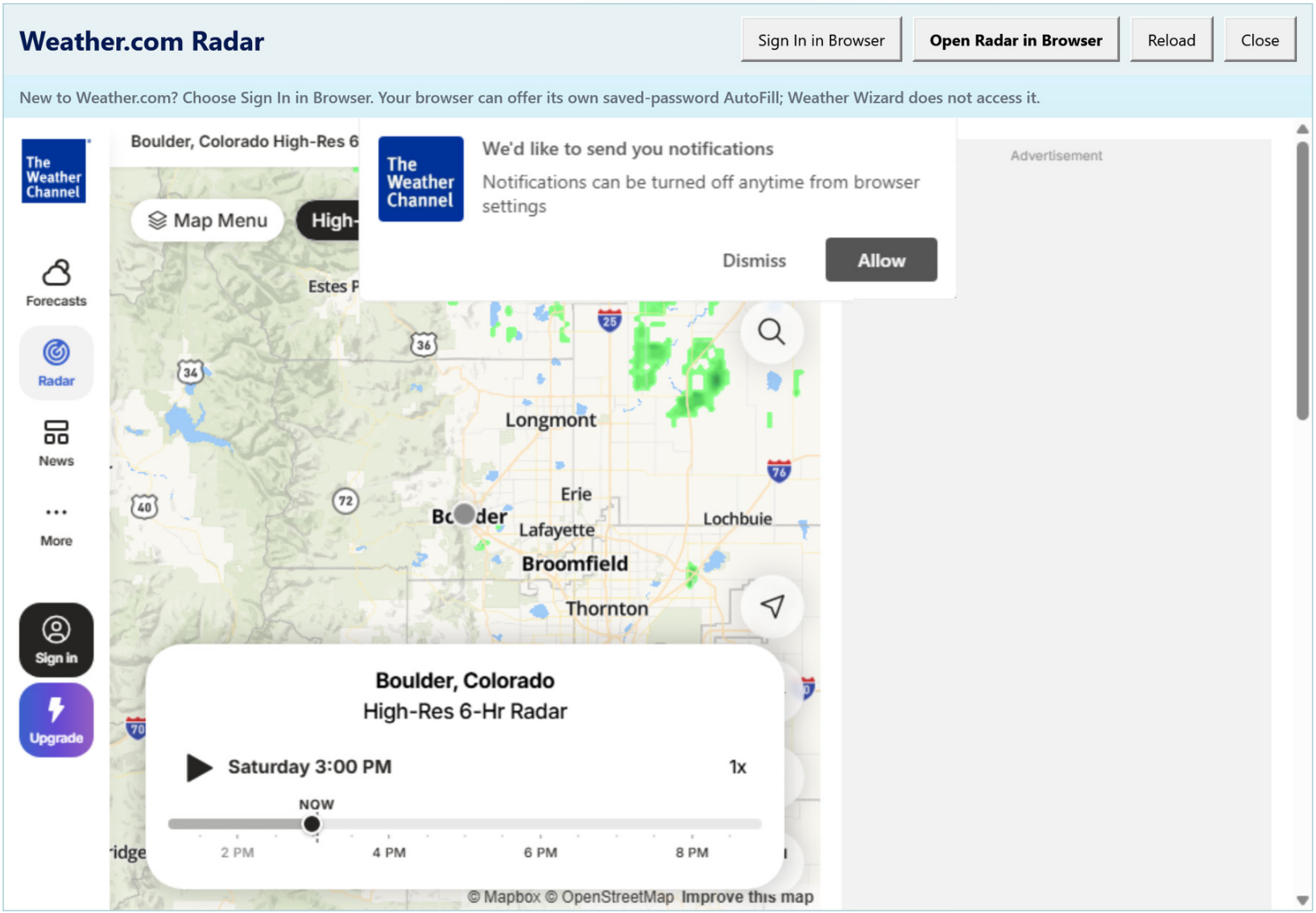
12 / More, Free. Actual Windows view; sample data from the demo station, simulated Pro where shown. Zoom for control details.

Local Forecast



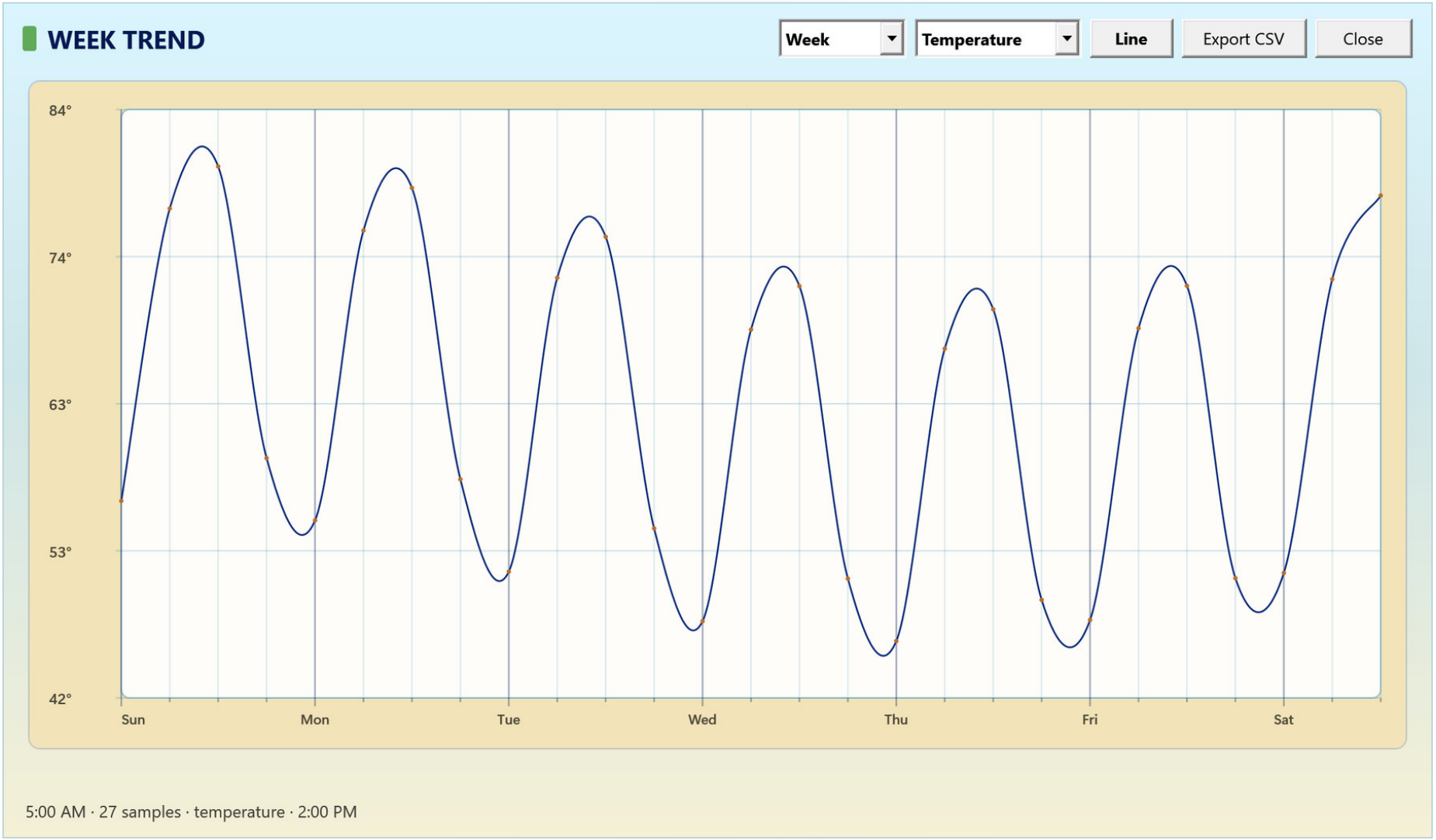
13 / Local Forecast. Actual Windows view; sample data from the demo station, simulated Pro where shown. Zoom for control details.

Radar



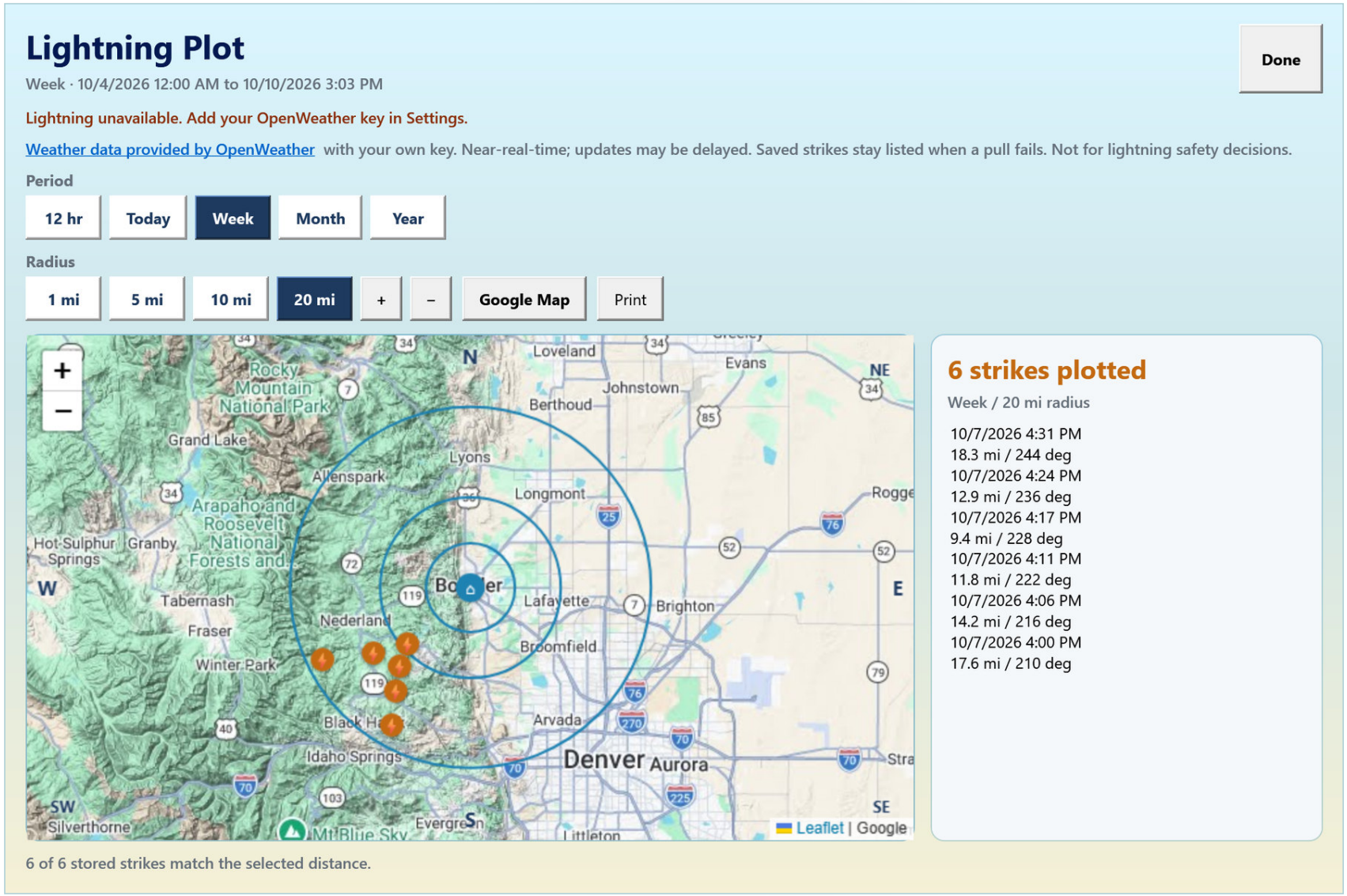
14 / Radar. Actual Windows view; sample data from the demo station, simulated Pro where shown. Zoom for control details.

Graphs window



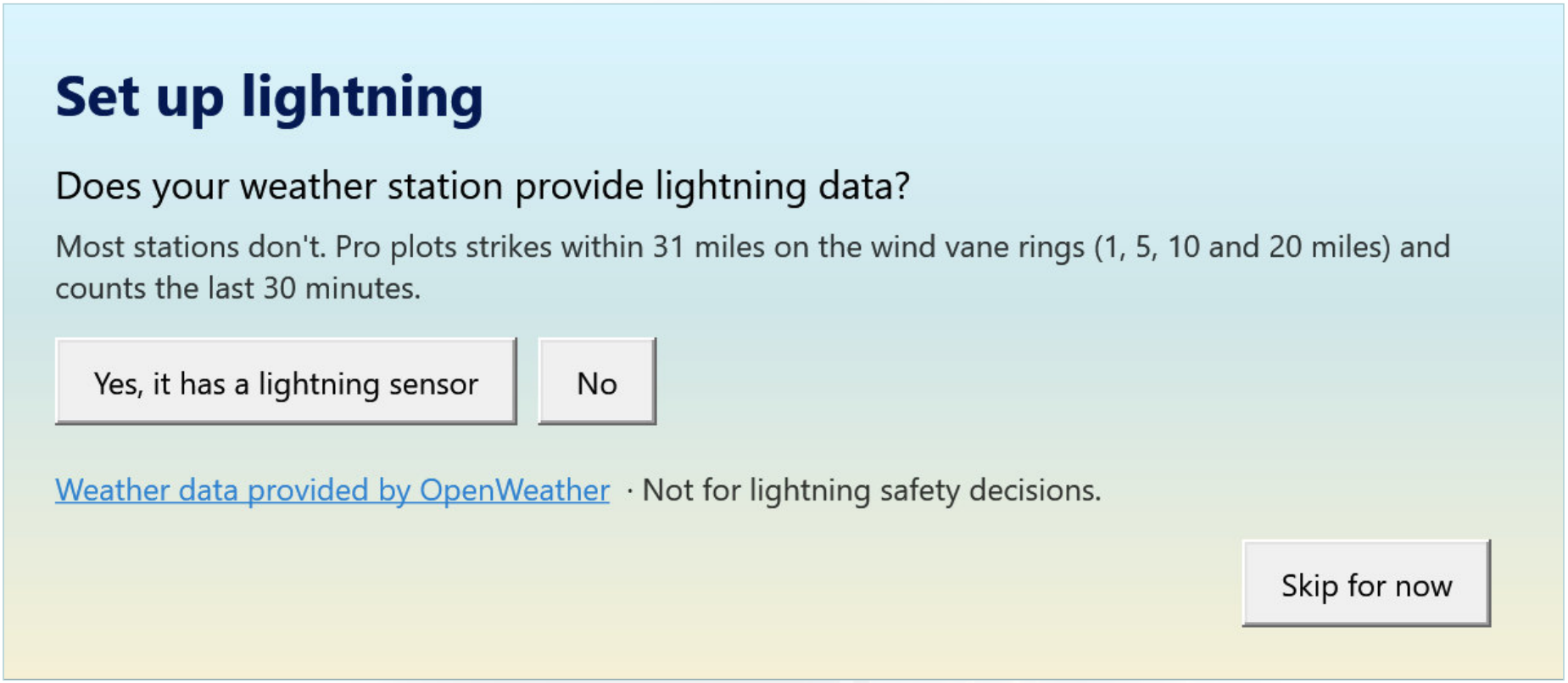
15 / Graphs window. Actual Windows view; sample data from the demo station, simulated Pro where shown. Zoom for control details.

Lightning Plot



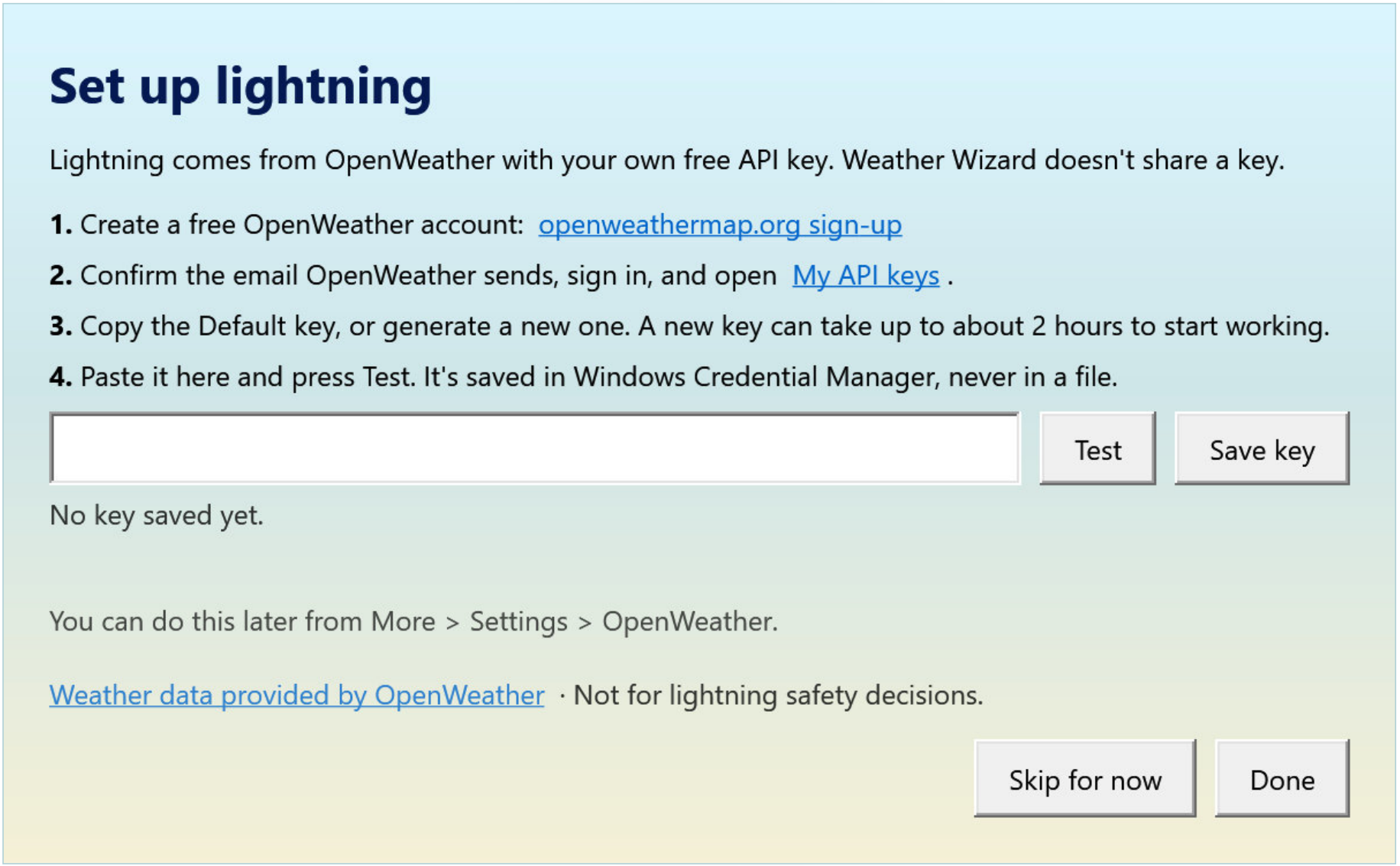
16 / Lightning Plot. Actual Windows view; sample data from the demo station, simulated Pro where shown. Zoom for control details.

Set up lightning, question



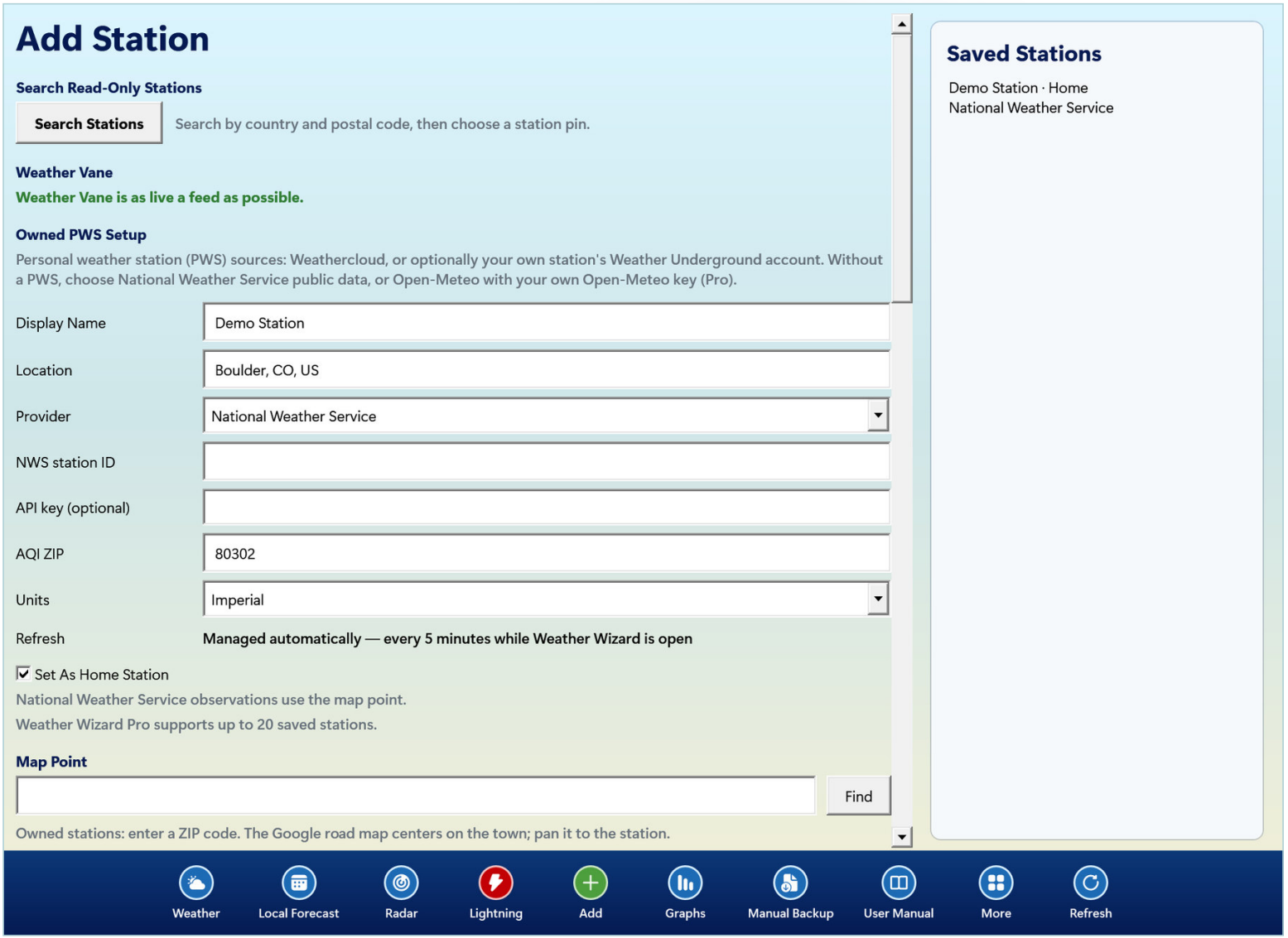
17 / Set up lightning, question. Actual Windows view; sample data from the demo station, simulated Pro where shown. Zoom for control details.

Set up lightning, key



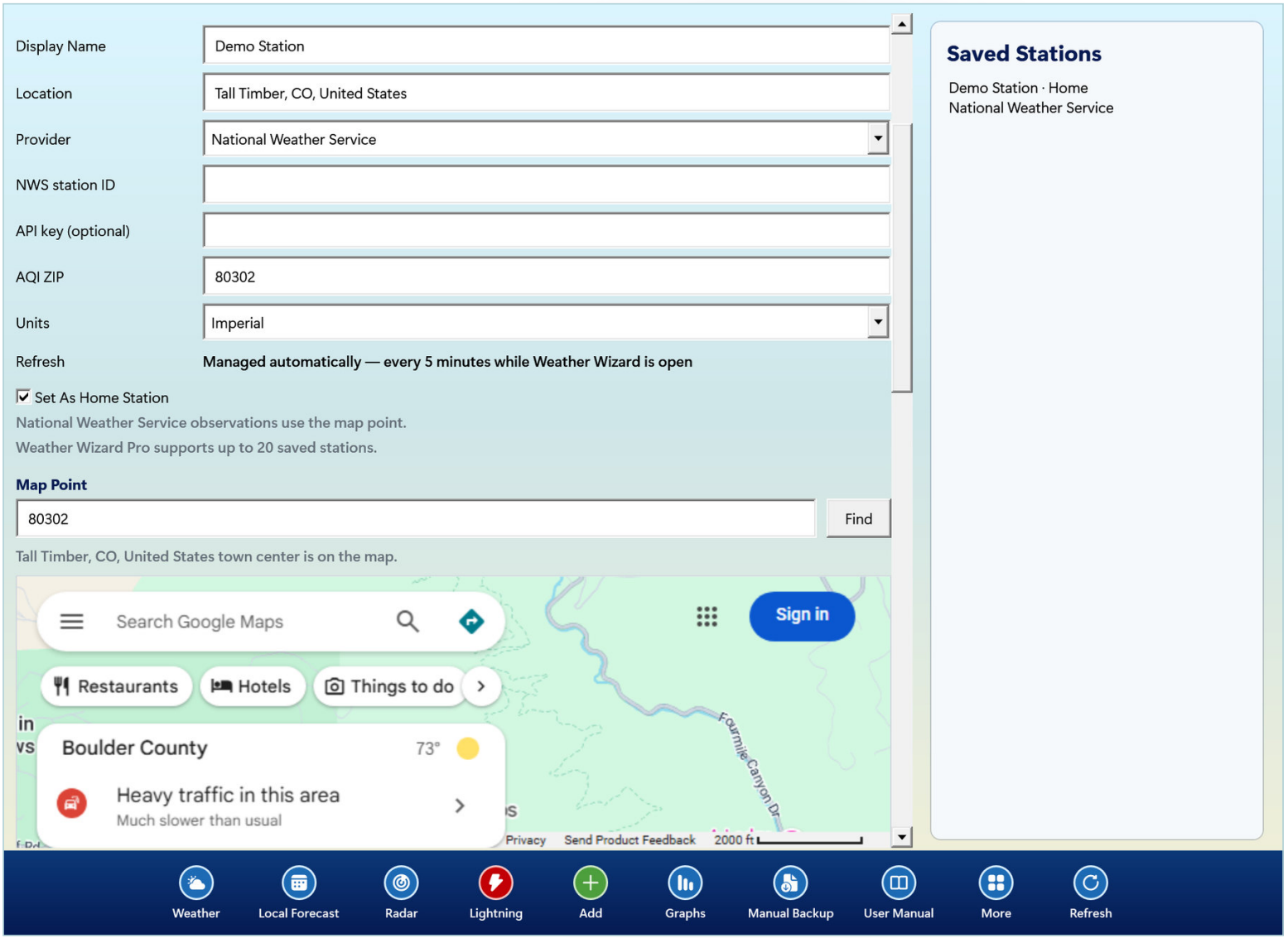
18 / Set up lightning, key. Actual Windows view; sample data from the demo station, simulated Pro where shown. Zoom for control details.

Add, top



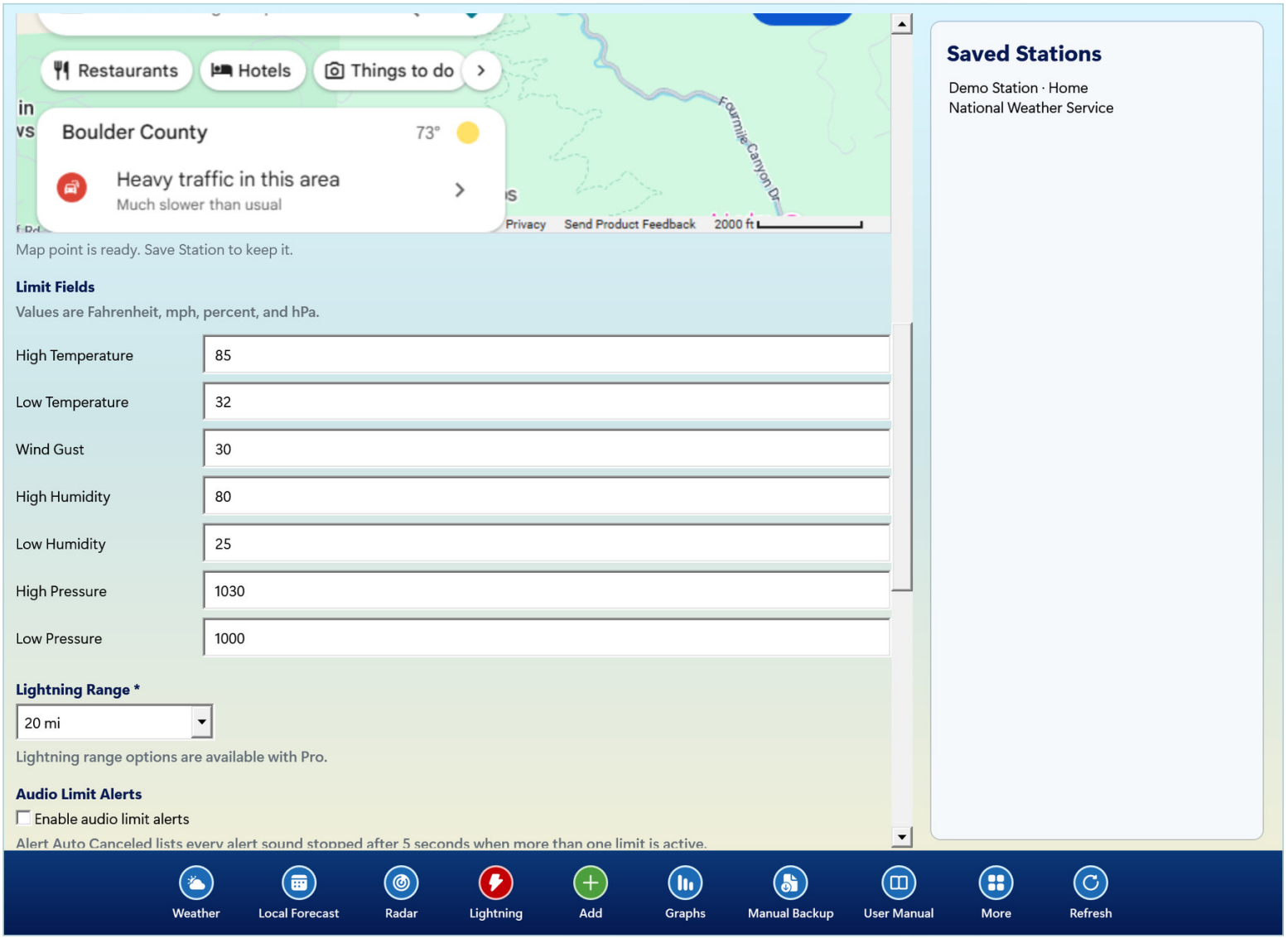
19 / Add, top. Actual Windows view; sample data from the demo station, simulated Pro where shown. Zoom for control details.

Add, map point



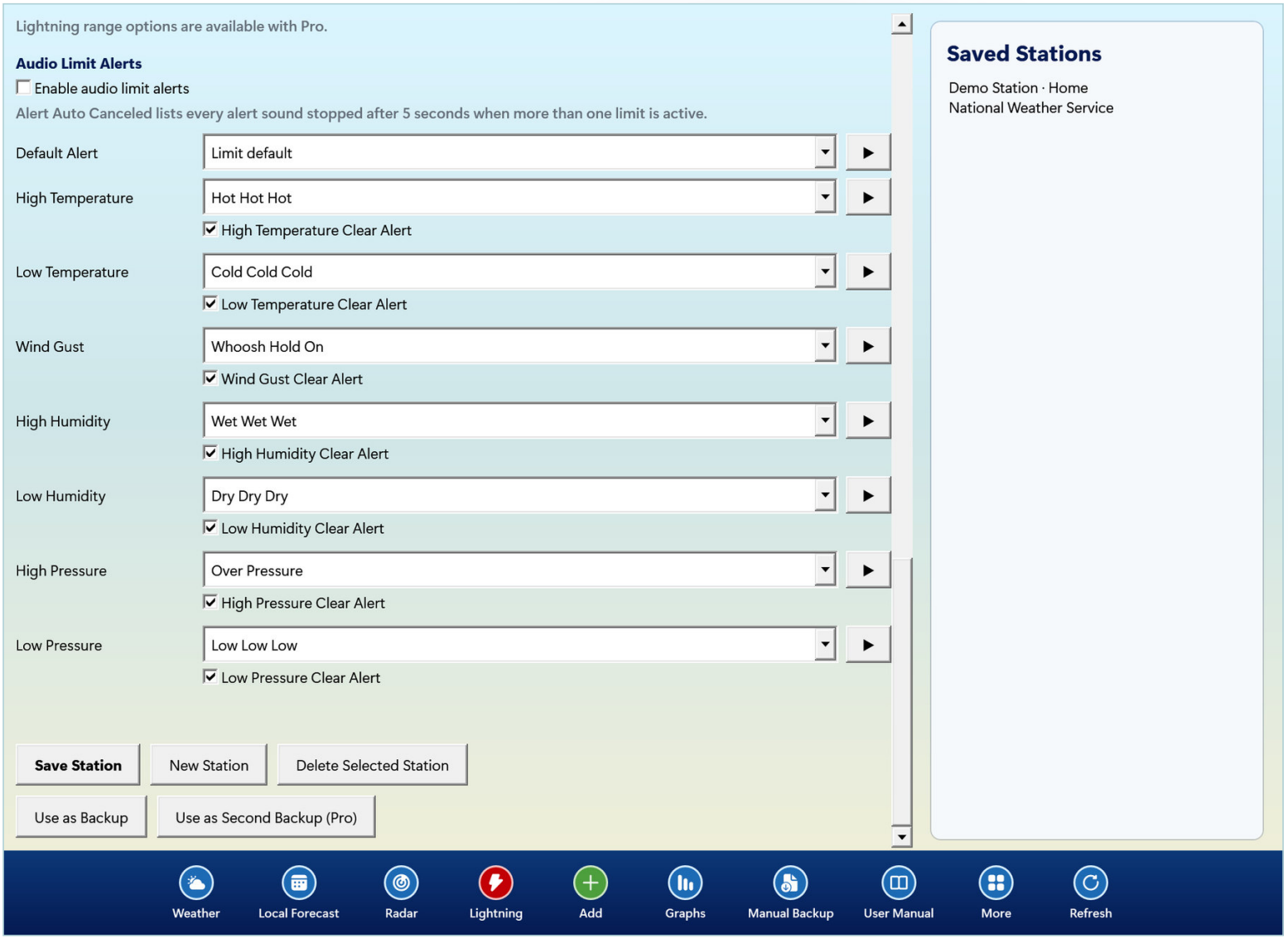
20 / Add, map point. Actual Windows view; sample data from the demo station, simulated Pro where shown. Zoom for control details.

Add, limit fields



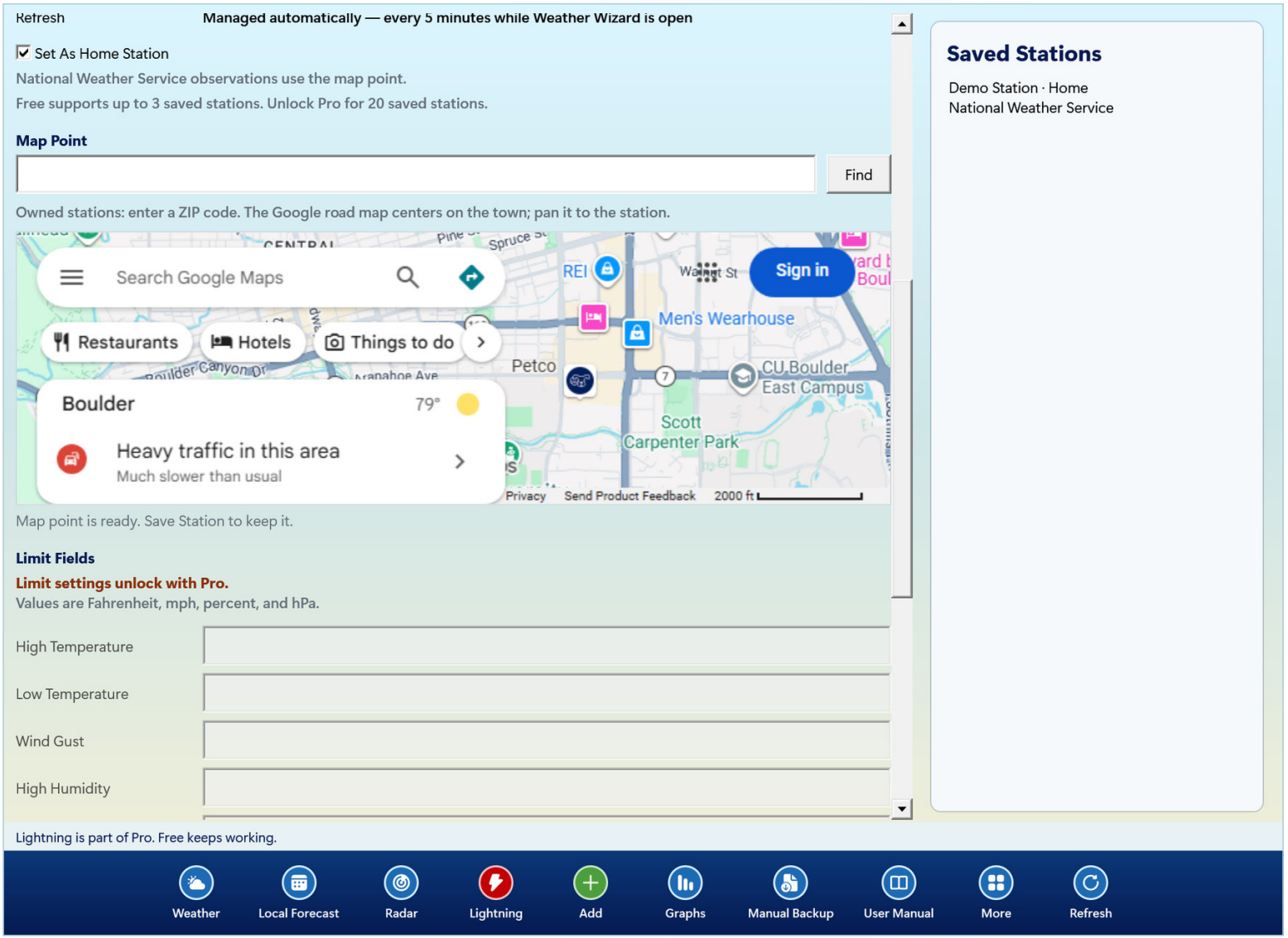
21 / Add, limit fields. Actual Windows view; sample data from the demo station, simulated Pro where shown. Zoom for control details.

Add, audio limit alerts



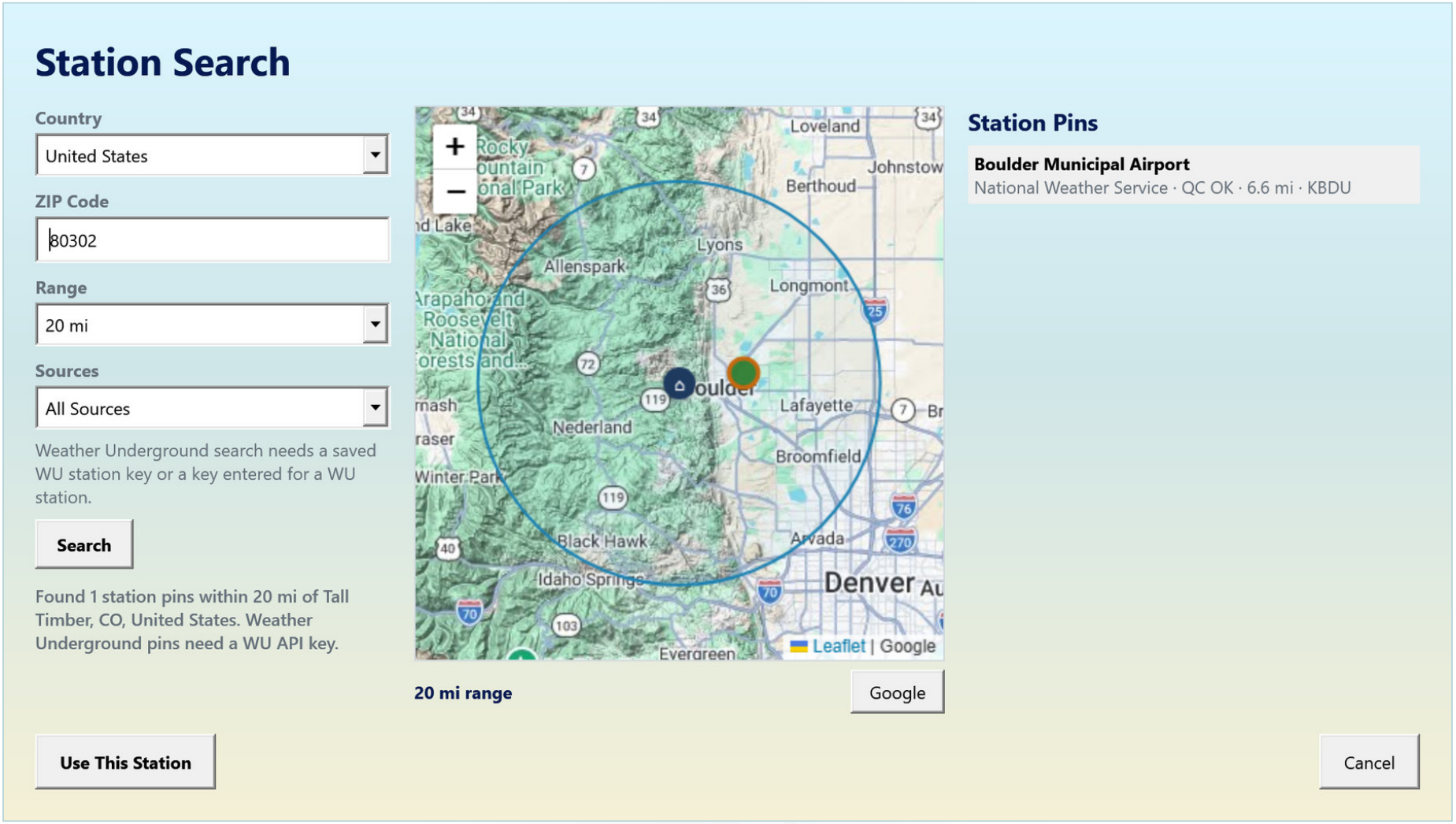
22 / Add, audio limit alerts. Actual Windows view; sample data from the demo station, simulated Pro where shown. Zoom for control details.

Add on Free



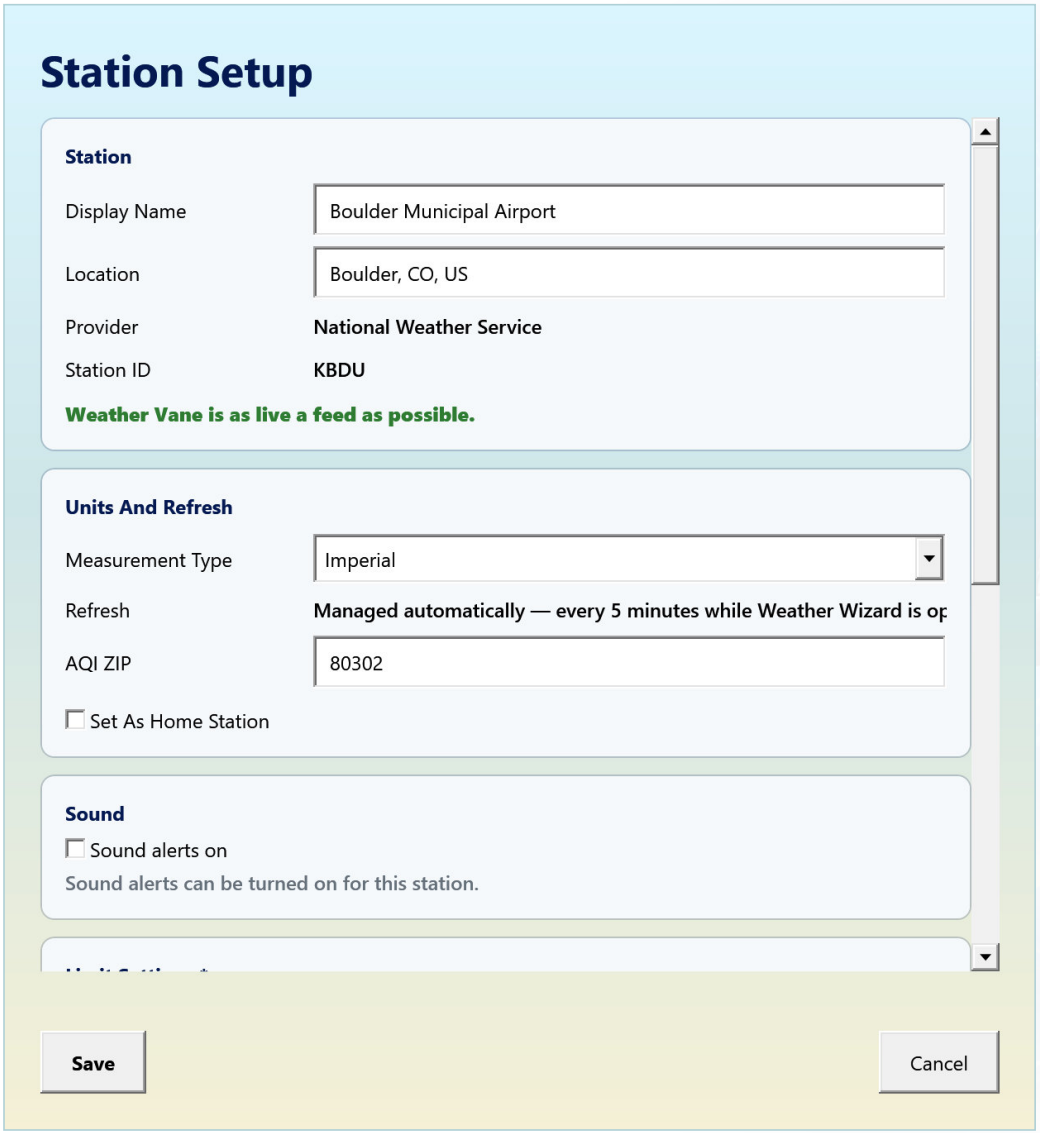
23 / Add on Free. Actual Windows view; sample data from the demo station, simulated Pro where shown. Zoom for control details.

Station Search



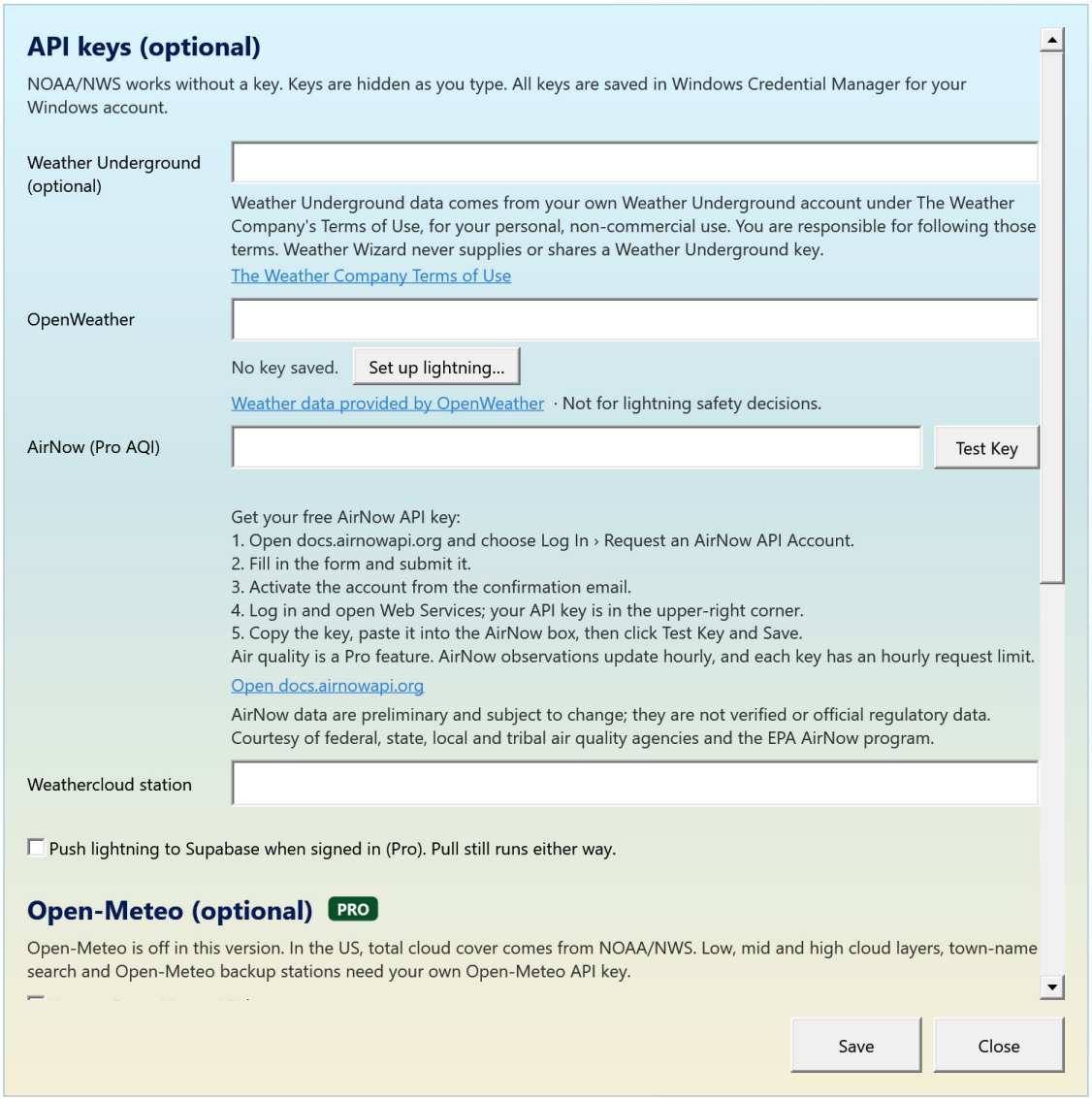
24 / Station Search. Actual Windows view; sample data from the demo station, simulated Pro where shown. Zoom for control details.

Station Setup



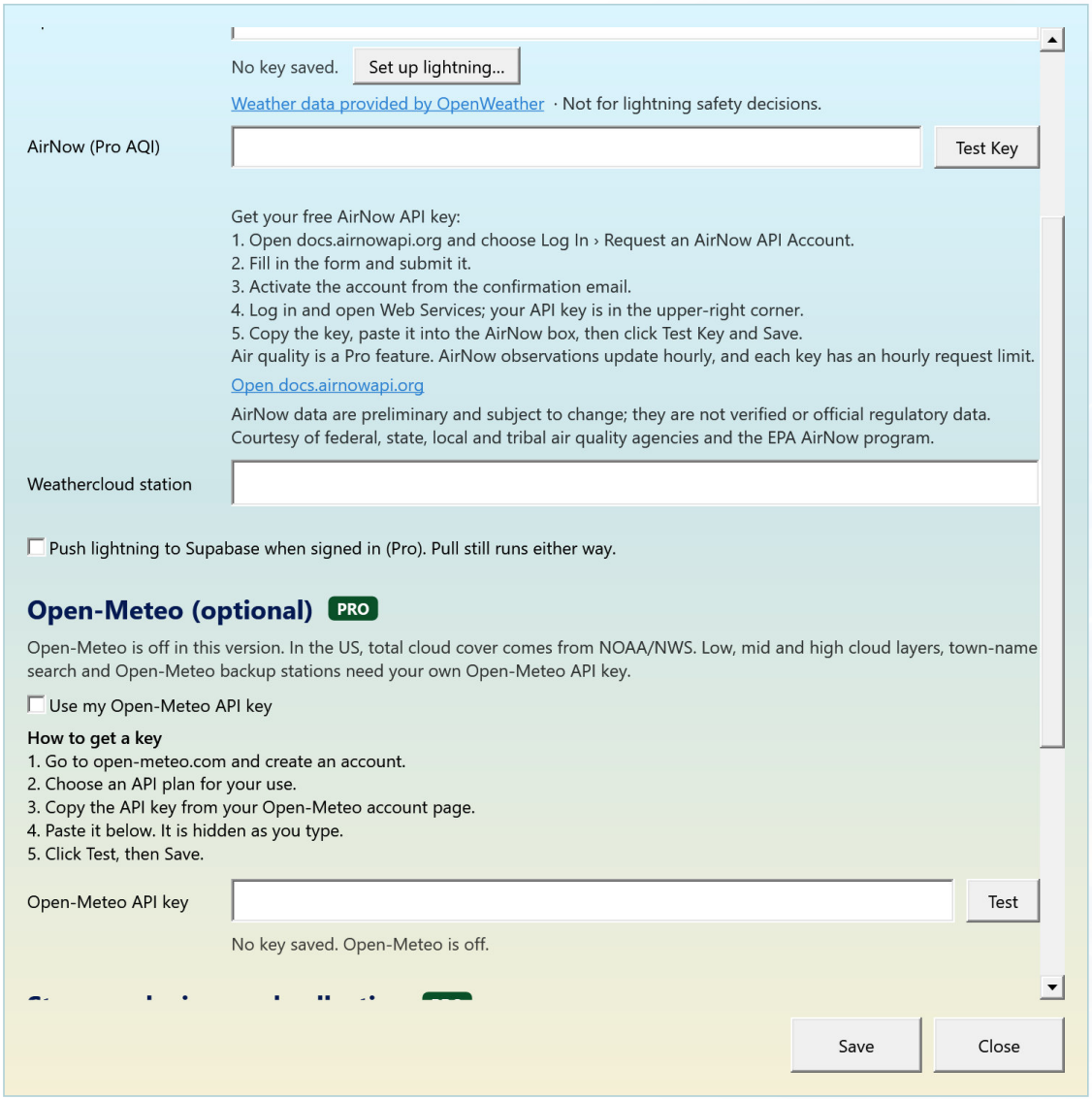
25 / Station Setup. Actual Windows view; sample data from the demo station, simulated Pro where shown. Zoom for control details.

Settings, API keys



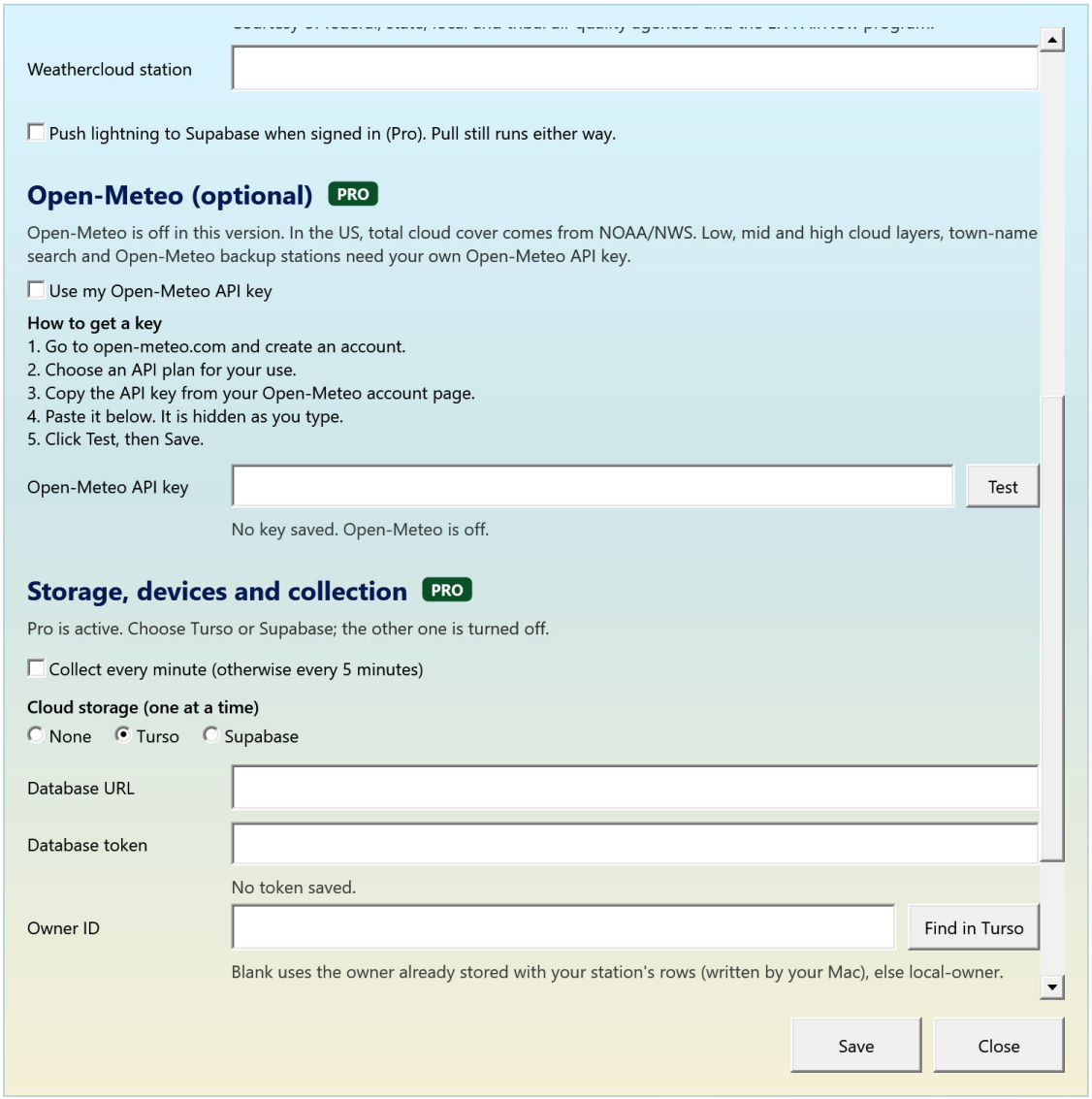
26 / Settings, API keys. Actual Windows view; sample data from the demo station, simulated Pro where shown. Zoom for control details.

Settings, Open-Meteo



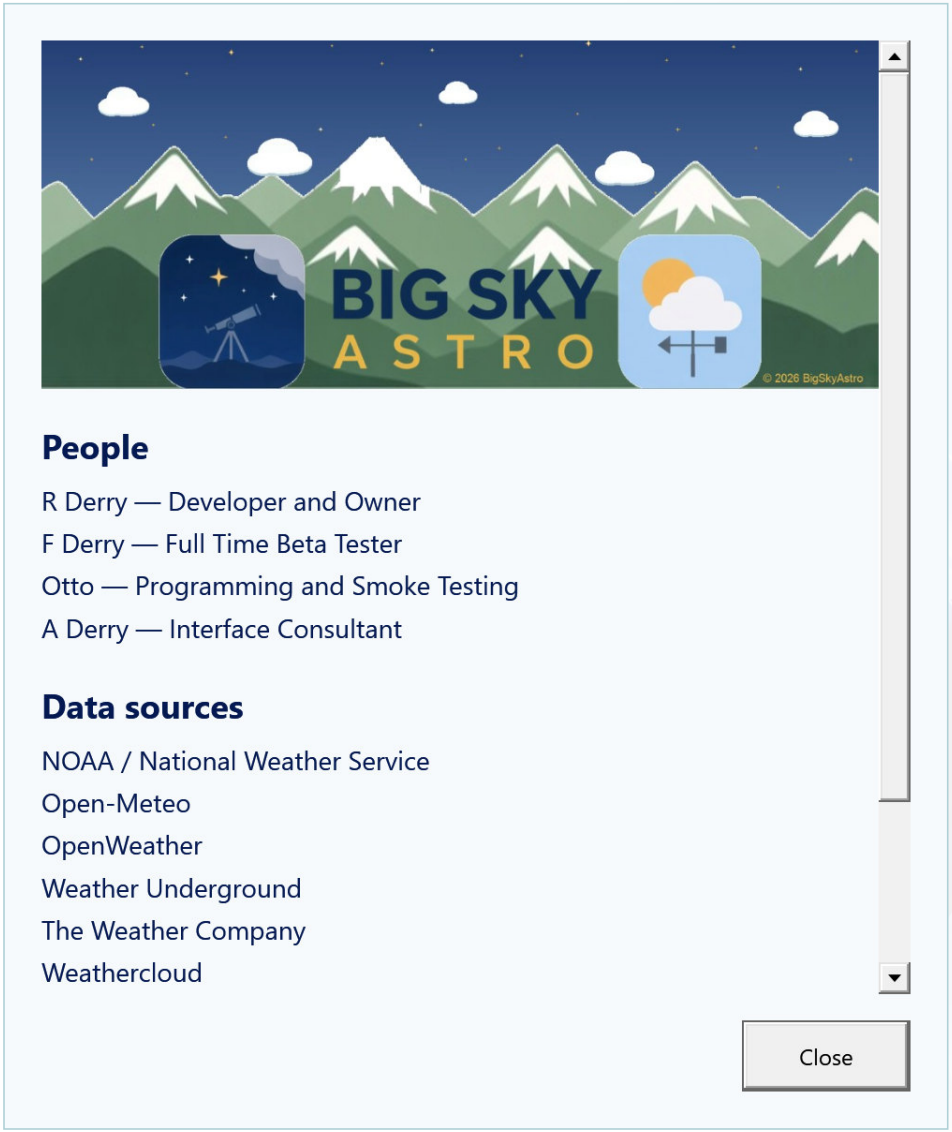
27 / Settings, Open-Meteo. Actual Windows view; sample data from the demo station, simulated Pro where shown. Zoom for control details.

Settings, storage and devices



28 / Settings, storage and devices. Actual Windows view; sample data from the demo station, simulated Pro where shown. Zoom for control details.

Credits



29 / Credits. Actual Windows view; sample data from the demo station, simulated Pro where shown. Zoom for control details.

Free and Pro at a glance

What each edition includes in Weather Wizard for Windows 1.0.4.0.

Capability	Free	Pro (one-time purchase)
Your home station, live	Yes	Yes
NWS alerts, radar and forecast	Yes	Yes
Graphs	Today only	12 hr, Today, Week, Month, Year
History on this PC	1 day (today's readings)	Full history with hourly and daily summaries
Saved stations	3	20
Backup stations	1	2
Lightning and air quality	No	Yes, with your own keys
Limit fields and audio alerts	No	Yes
Cloud storage	No	Turso or Supabase, one at a time
More than one PC	No	Collector with takeover, or read-only
Collection	Every 5 minutes	Every 5 minutes or every minute
Export CSV and Manual Backup	No	Yes
Your own Open-Meteo key	No	Yes

Where Weather Wizard keeps your data on this PC.

What	Where it is kept
Stations, limits and history	WeatherWizardDesktop.sqlite3 in local AppData\WeatherWizardDesktop
Manual Backup copies	Documents\WeatherWizardDesktop-Backups
CSV exports	Documents (path shown in the status line)
API keys and the Turso token	Windows Credential Manager
Weathercloud station ID, AirNow ZIP	api-keys.json in the app's data folder (no keys)
Cloud copy (Pro)	Your own Turso or Supabase database

Source notes and edition limits

National Weather Service API

Alerts, observations, forecast and US cloud cover. No key. NOAA data is public domain.

https://www.weather.gov/documentation/services-web-api

Weathercloud

Readings from your own Weathercloud device. Free.

https://app.weathercloud.net/

Weather Underground Terms of Use

Optional, your own account and key, personal non-commercial use. Shown with "Data provided by Weather Underground".

https://www.wunderground.com/company/legal

OpenWeather

Lightning from your own free key. Pro. Weather data provided by OpenWeather.

https://openweathermap.org/

AirNow API

US air quality from your own free key. Preliminary data courtesy of the EPA AirNow program. Pro.

https://docs.airnowapi.org/

Open-Meteo terms

Used only with your own Open-Meteo API key. Pro.

https://open-meteo.com/en/terms

Turso

Your own cloud database for Pro history.

https://turso.tech/

Supabase

Your own cloud project for Pro history and indoor readings.

https://supabase.com/

weather.com radar

Interactive radar shown inside the app. No sign-in required.

https://weather.com/

Google Maps

Road maps in Add, Station Search and Lightning Plot.

https://maps.google.com/

BigSkyAstro privacy

What BigSkyAstro does and does not collect.

https://bigskyastro.com/privacy/

Weather Wizard feedback

Send feedback or a support request. Email support@bigskyastro.com.

https://bigskyastro.com/feedback/weather-wizard.html

Edition scope
This manual covers the Microsoft Store edition of Weather Wizard 1.0.4.0 on Windows 10 and 11. Services named here are run by their own operators and can change without notice.

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support@bigskyastro.com - 37. Support, feedback and edition limits

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Turso - 30. Cloud storage: Turso or Supabase

Units - 21. Station Setup after a search

Use This Station - 20. Search Read-Only Stations

User Manual button - 1. Welcome to Weather Wizard

Weather page - 1. Welcome to Weather Wizard

Weather Underground - 22. Add a personal weather station; 29. Weathercloud, Weather Underground and public sources

weather.com - 14. Radar

Weathercloud - 22. Add a personal weather station; 29. Weathercloud, Weather Underground and public sources

Wind Chill - 10. Wind compass, lightning card and detail metrics

Wind compass - 10. Wind compass, lightning card and detail metrics

WX card - 12. Limit alerts and official warnings

ZIP code - 3. First launch: privacy and ZIP code