AGUACEROWX USER GUIDE

Alerts and NOAA products

Watches, warnings and advisories from the NWS, Canada and Europe draw on the map with your own colors, sounds and popups. Outlooks and guidance from the SPC, WPC, CPC and River Forecast Centers come from the NOAA data menu or the Outlooks data type in the sidebar.

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BEFORE YOU START

- The **Alerts** button on the toolbar opens the alert settings with a single click and turns alerts on or off with a double-click.
- The **NOAA data** button opens **Forecast Products**, with tabs for **SPC**, **WPC**, **CPC**, **RFC**, **ECCC** and **ESTOFEX**. Each product you turn on becomes its own layer.
- SPC watches and mesoscale discussions are alert types in the Alerts layer, not outlook products.
- The **NADOCAST** toolbar button opens the NADOCAST product picker.

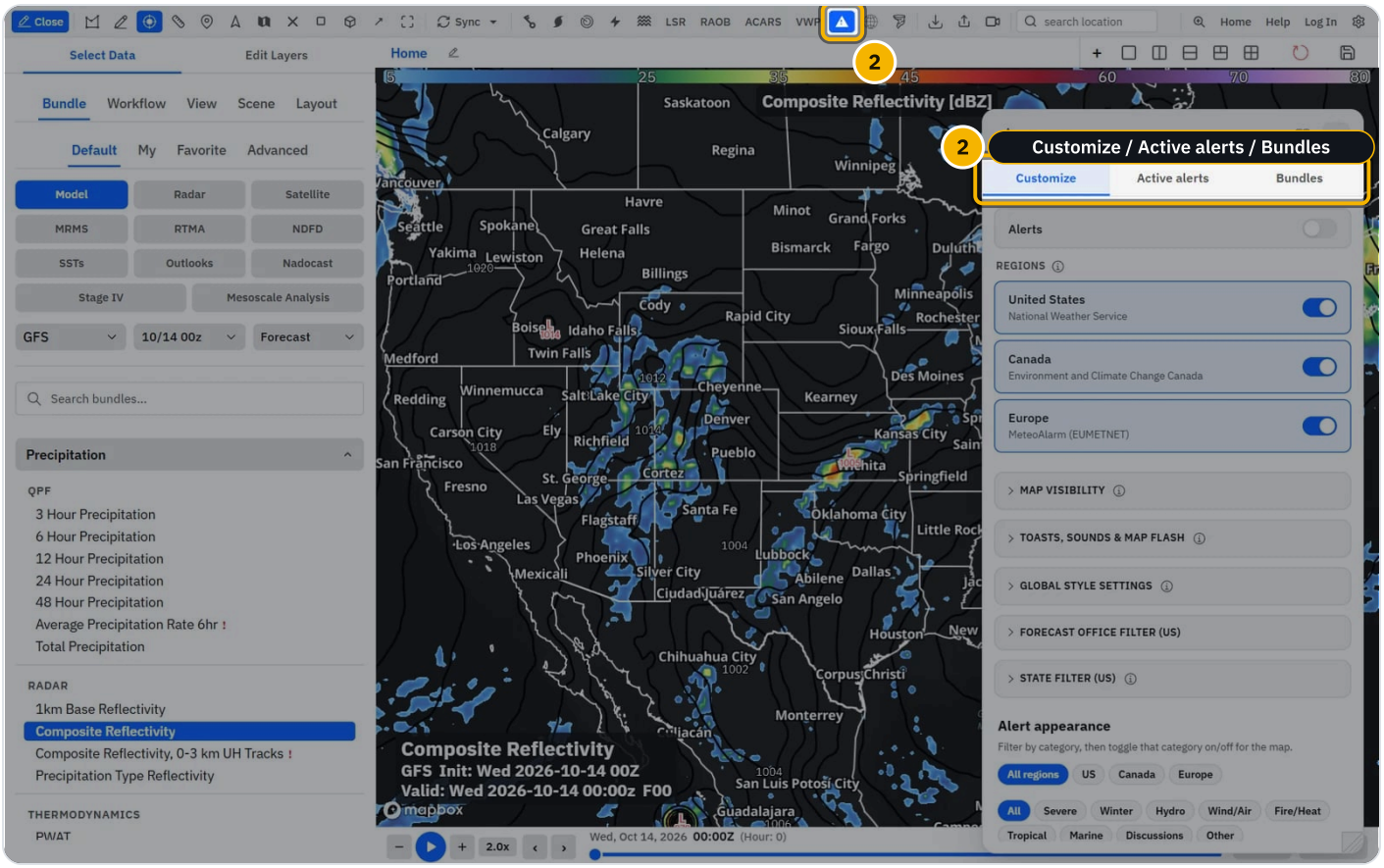
01 Watches and warnings

Every NWS alert, live over NWWS, with your own fill, outline, flash and sound for each alert type, and popups that show the population covered.

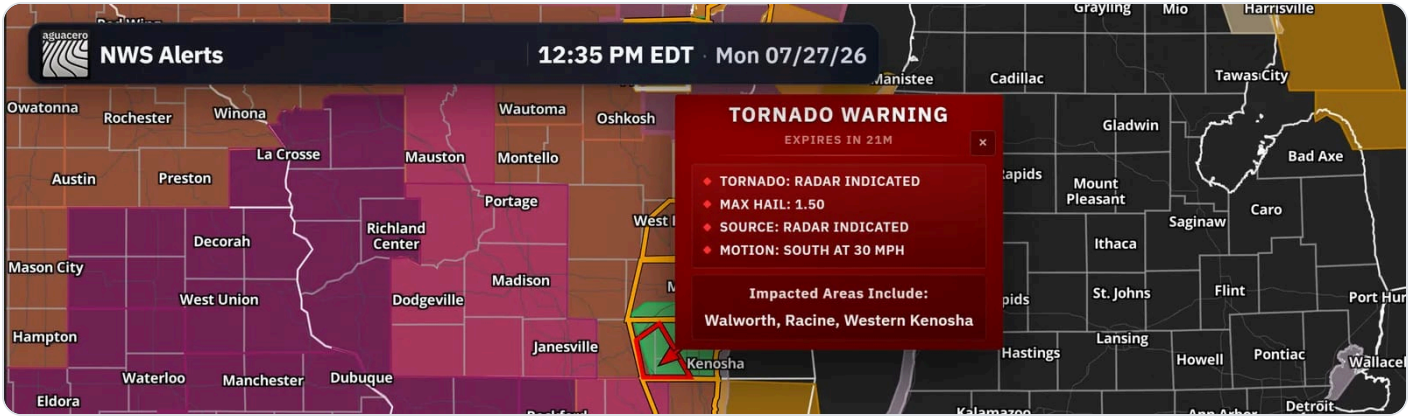
1. Double-click **Alerts** on the toolbar to show alerts on the map.
2. Single-click **Alerts** to open the alert settings on the **Customize** tab.
3. Under **Alert appearance**, pick a category such as **Severe** or **Winter**, then turn alert types on or off.
4. Click an alert type to set its **Polygon fill**, **Outline**, **Sound & notification** and **Map flash**.
5. Click an alert on the map. The popup shows its start and end times, threats, area and **Population**.
6. Click **Details** in the popup for the full bulletin text.

TIPS

- The **Active alerts** tab lists every alert in effect. Click one to fly to it and turn on the nearest radar.
- **Toasts, sounds & map flash** turns popup notifications, beeps and the map flash for new alerts on or off.
- Save your colors, sounds and filters as a preset on the **Bundles** tab.



The Alerts button and the tabs of the alert settings.



A tornado warning popup with the impacted areas.

02 Filter alerts by office or state

Show only the US alerts from the forecast offices or states you pick.

1. Single-click **Alerts** on the toolbar.
2. On the **Customize** tab, open **Forecast office filter (US)**.

3. Type an office code in **Add code (e.g. MKX)** and click **Add**, or pick codes from the list.
4. To filter by state, open **State filter (US)** and pick one or more states.
5. Click **Clear offices** or **Clear states** to show every alert again.

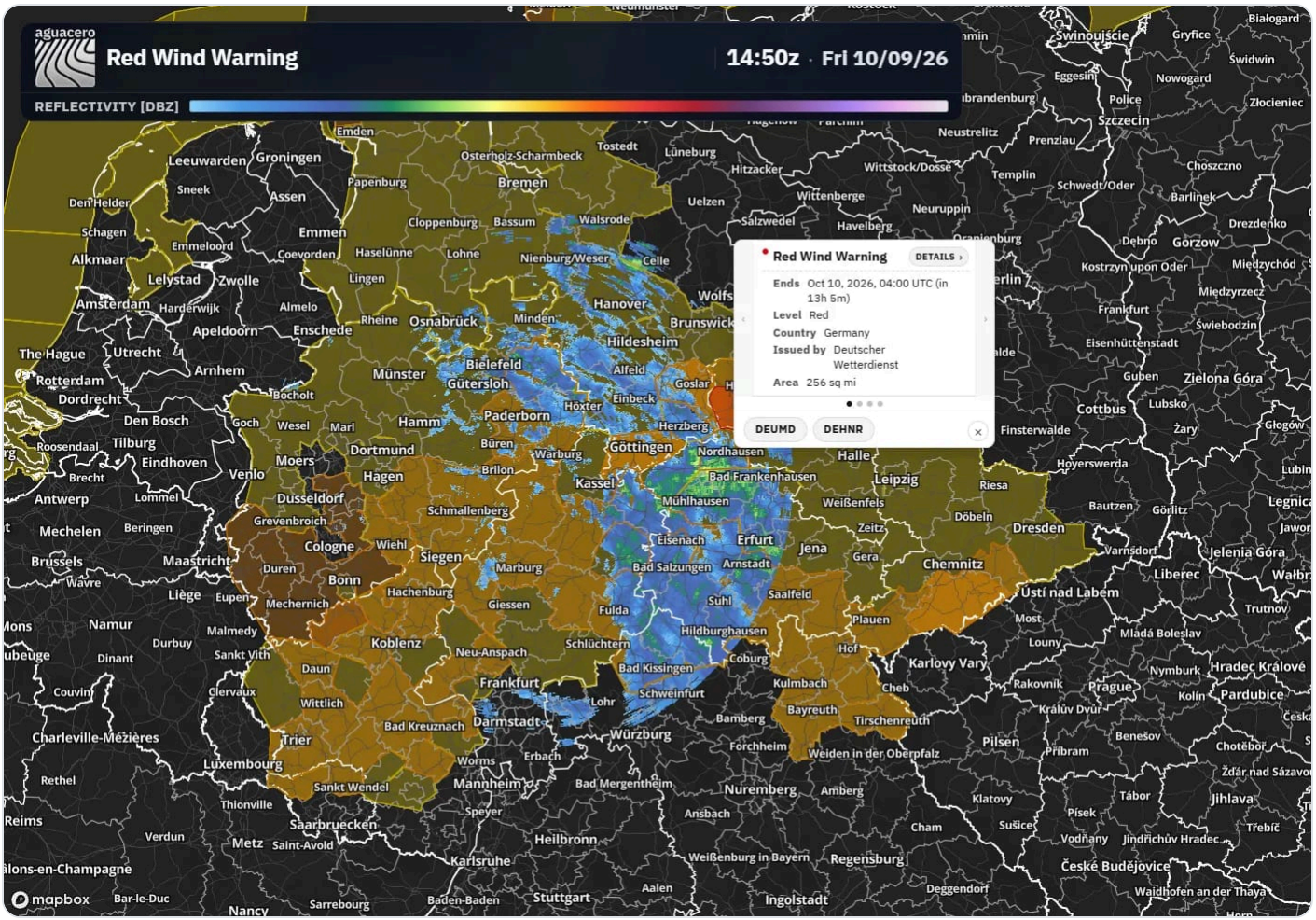
While an office or state filter is set, Canadian and European alerts are hidden. When both filters are set, they combine. Storm Prediction Center products (**WNS**), such as watches and mesoscale discussions, always pass the office filter; use a state filter to narrow them.

03 Canadian and European alerts

Environment and Climate Change Canada and MeteoAlarm warnings in the same alerts layer, with the same styling and time slider.

1. Single-click **Alerts** on the toolbar.
2. On the **Customize** tab, find **Regions**.
3. Turn **Canada** or **Europe** on or off. **United States** has its own toggle.
4. Under **Alert appearance**, click **Canada** or **Europe** to list and style that region's alert types.

Turning a region off hides it on the map, in **Active alerts** and in the ticker, and stops its notifications and sounds.



European radar with a wind warning outlined over Germany.

04 Custom alert sounds CREATOR

Upload your own MP3s and play them when a new alert of a given type arrives.

1. Single-click **Alerts** on the toolbar.
2. Under **Alert appearance**, click the alert type, for example a tornado warning.
3. Under **Sound & notification**, click **Upload** and choose an MP3.
4. Pick your file under **Your MP3s** in the **Sound** menu.
5. Click **Preview** to hear it.

TIPS

- Every plan can pick built-in tones, such as **Beep**, **Chime** or **Siren**, in the same **Sound** menu.

Needs Creator and a signed-in account. Each MP3 can be up to 2 MB and 30 seconds.

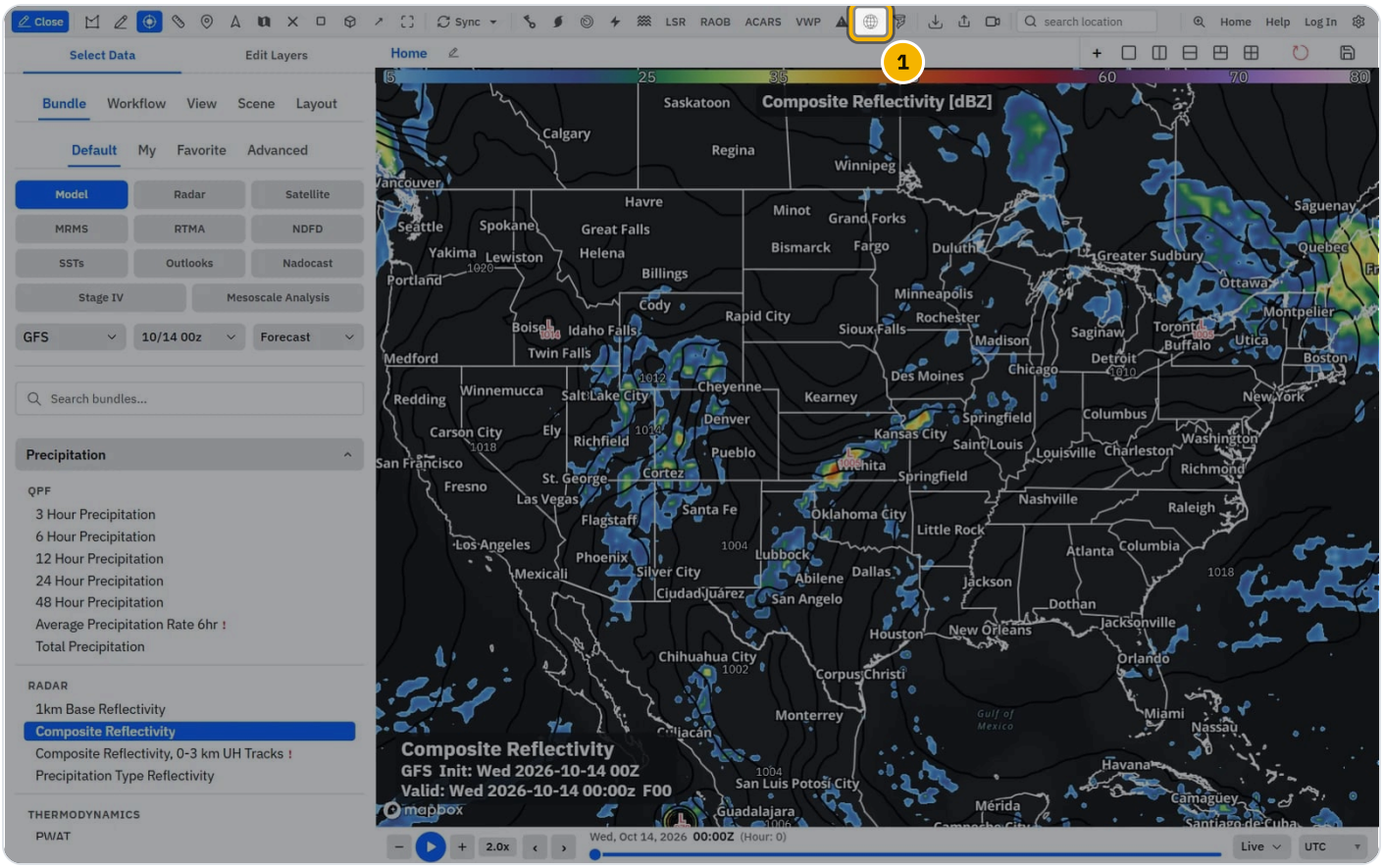
05 SPC outlooks, watches and discussions

Convective outlooks out to day 8 and fire weather outlooks, plus SPC watches and mesoscale discussions in the alerts layer.

1. Click **NOAA data** on the toolbar to open **Forecast Products**.
2. On the **SPC** tab, pick **Thunderstorm** or **Fire Weather**.
3. Pick a type, such as **Categorical**, **Tornado** or **Dry Thunderstorm**, then turn on a day.
4. For watches and mesoscale discussions, turn on alerts, then make sure the **Severe** and **Discussions** categories are on in the alert settings.

TIPS

- To have outlooks step through their valid periods as the time slider moves, turn on **Move outlooks with time** in Settings, **Data**, **NOAA**, under the SPC agency.
- Click an outlook on the map for its details.

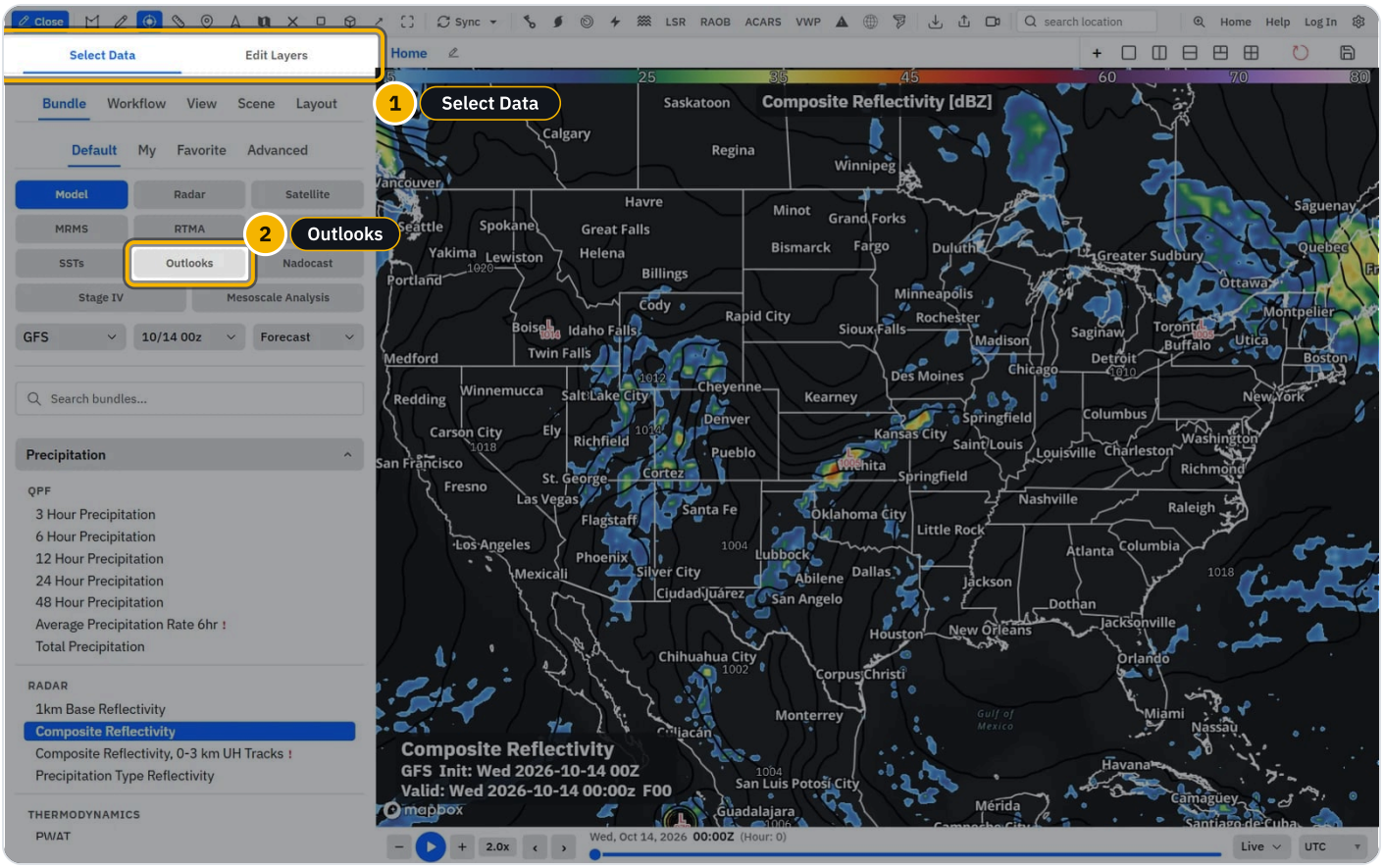


The NOAA data button on the toolbar.

06 Load outlooks from the sidebar

The Outlooks data type puts the same SPC, WPC, CPC, RFC, ECCC and ESTOFEX picker in the sidebar.

1. Open the sidebar on **Select Data**.
2. Click **Outlooks** in the data type filter.
3. Pick an agency tab, then a product.



The Outlooks data type in the sidebar.

A product picked in the sidebar replaces the layers on the panel. To stack outlooks on top of other layers, use the **NOAA data** menu.

07 WPC products

Surface fronts, QPF with point readouts, excessive rain, winter products such as the WSSI, and the NWS HeatRisk map.

1. Click **NOAA data** on the toolbar.
2. Click the **WPC** tab.
3. Pick a group: **Surface Analysis** for fronts, **QPF**, **Excessive Rain**, **HeatRisk**, or a winter group such as **Winter Storm Severity Index (WSSI)**.
4. Turn on the day or period you want.

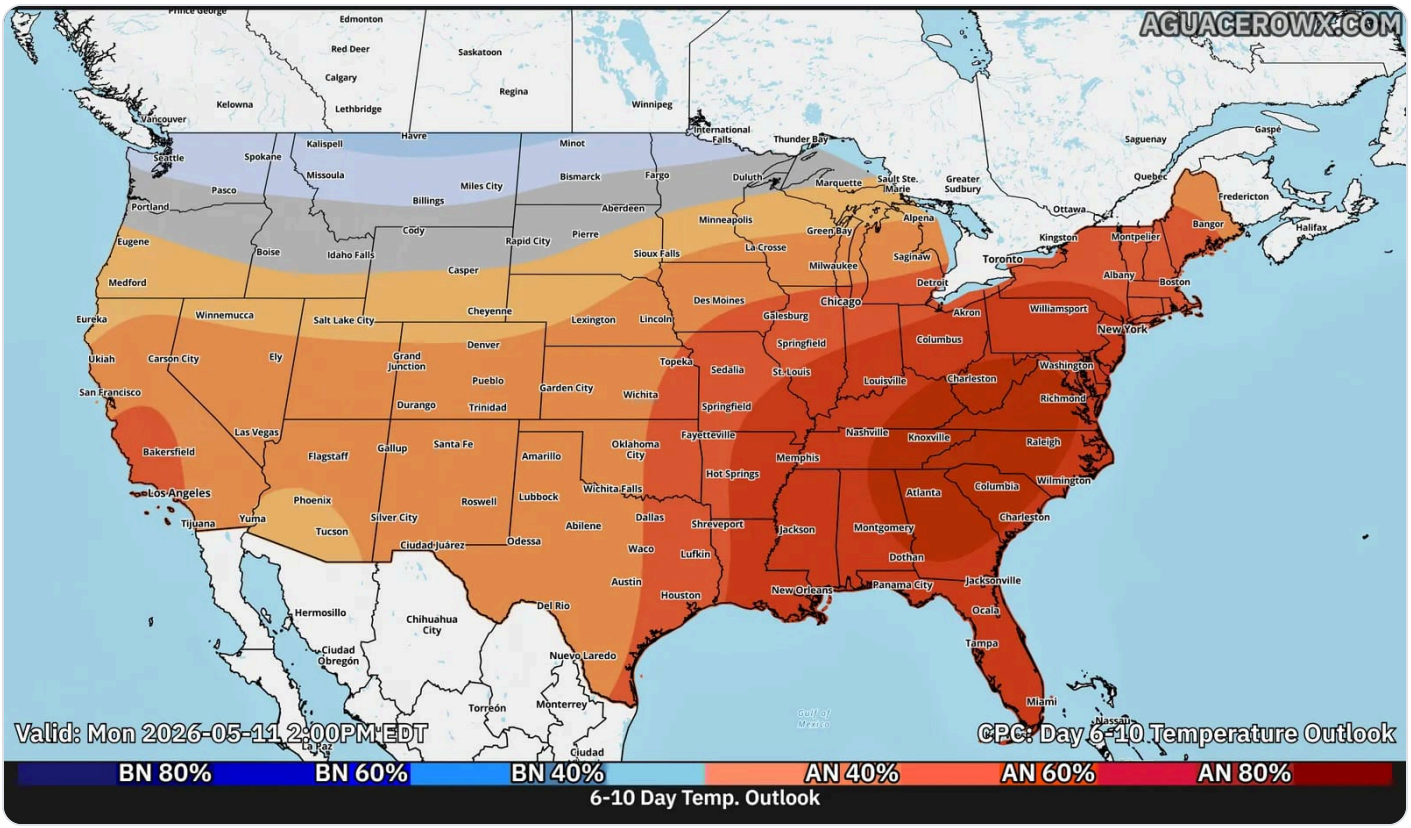
TIPS

- For QPF values on the map, open **Edit Layers** and turn on the **Point** badge on the QPF layer.

08 CPC outlooks

6–10 day, 8–14 day, week 3–4, 1-month and 3-month temperature and precipitation outlooks, plus drought and hazards outlooks.

1. Click **NOAA data** on the toolbar.
2. Click the **CPC** tab.
3. Under **Precip/Temp Outlook**, pick **Temperature** or **Precipitation**.
4. Turn on a period: **Days 6-10**, **Days 8-14**, **Weeks 3-4**, **1 Month**, or a 3-month season such as **Dec–Feb**. Seasons run from the next one out to a year ahead.



The CPC 6–10 day temperature outlook.

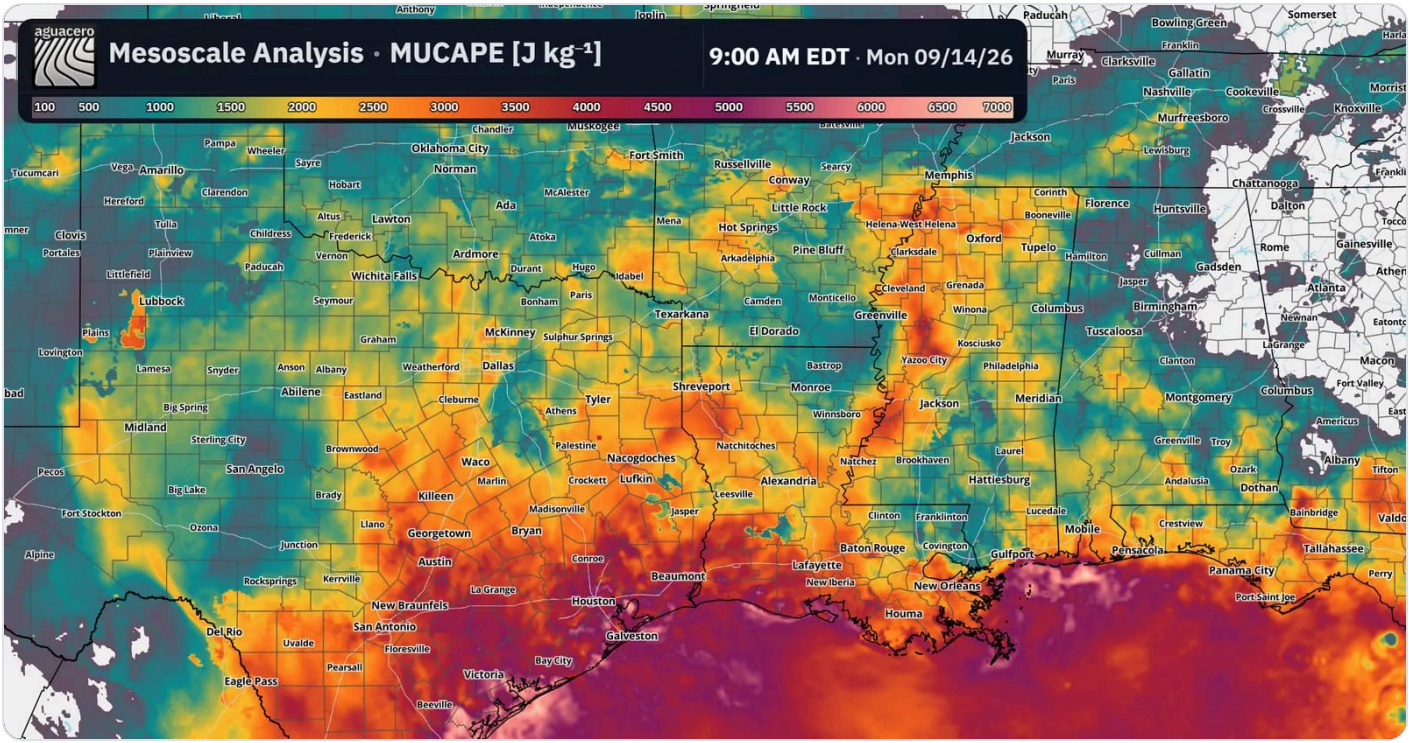
09 SPC Mesoscale Analysis

Hourly convective diagnostics on the 3 km HRRR grid, with point and box soundings.

1. Open the sidebar on **Select Data**.
2. Click **Mesoscale Analysis** in the data type filter.
3. Click a bundle in the list to load it.
4. Set how many hours to load with the Mesoscale duration menu on the time bar.
5. Right-click the map and click **Meso analysis** under **Soundings** for a sounding from the analysis.

TIPS

- To add one field instead, use **Add Layer**, then **Mesoscale Analysis**.



Mesoscale analysis of most-unstable CAPE over the central United States.

History: 12 hours on Free, 24 hours on Enthusiast and 72 hours on Professional.

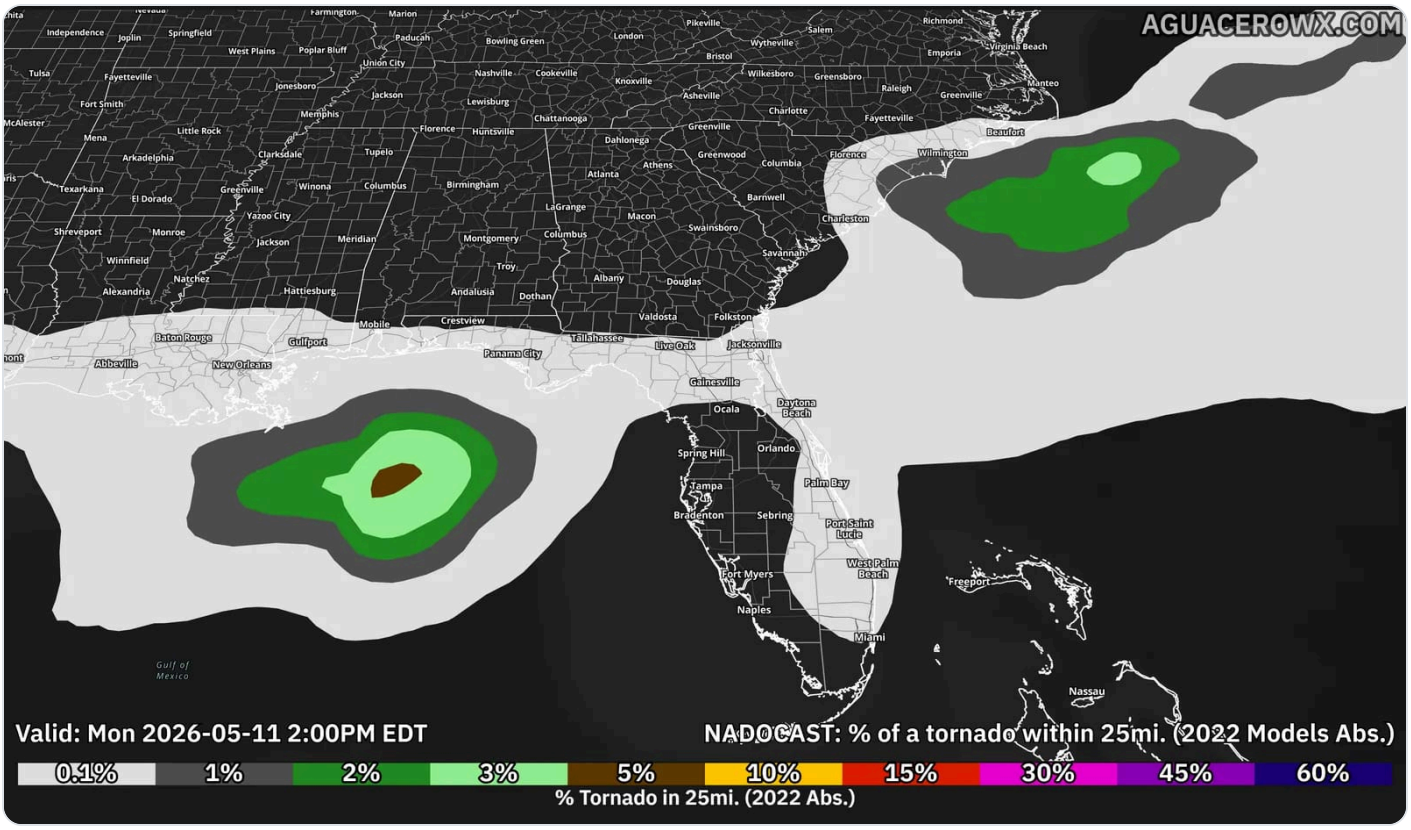
10 NADOCAST

Machine-learning tornado, hail and wind probabilities, with run switching and a Day 2 forecast when the run has one.

1. Click **NADOCAST** on the toolbar.
2. Pick a run in the **Run** menu.
3. Click **Day 1 Forecast** or **Day 2 Forecast** when both are shown.
4. Pick **2022 Models** or **2024 Models**.
5. Turn on a tornado, hail or wind product.

TIPS

- The **Nadocast** data type in the sidebar has the same picker.



NADOCAST tornado probabilities over the Southeast.

11 Damage Assessment Toolkit

NWS damage survey points, tracks and polygons, with EF ratings, for past events in archive mode.

1. Switch the time bar from **Live** to **Archive**.
2. In **Archive Builder**, set the window for the event.
3. Under **Overlays**, turn on **DAT damage**.
4. Click **Apply**.
5. Click a damage point or track for its EF rating, wind speed, survey office and date.

TIPS

- Change which layers show and the **EF-scale colors** in the **DAT damage** settings.

DAT damage surveys are available only in archive mode.