RadarOmega User Guide



Software Version 5.9

RadarOmega

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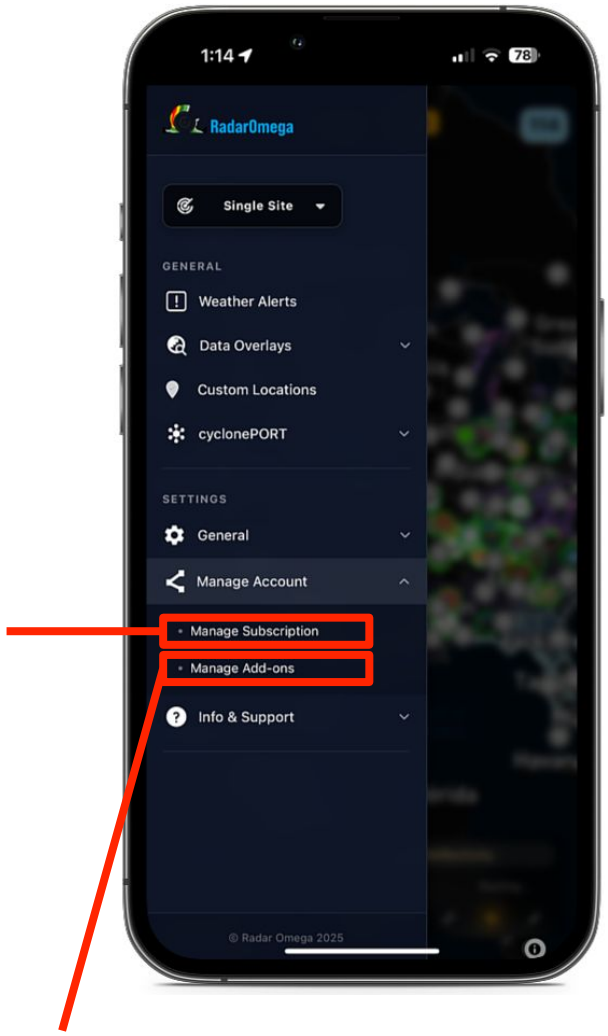
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Base Application, Subscriptions, and Add-Ons

Purchasing the RadarOmega base application from either the iOS App Store or Google Play Store will permanently grant access to the features that come standard with the base application. This is a one-time payment that **does not** initiate a subscription or recurring payments.

Subscriptions are purchased inside RadarOmega after creating a RadarOmega account. Subscriptions require either monthly or yearly recurring payments, depending on the payment structure you choose. There are three different subscription tiers - Gamma, Beta, and Alpha - that each grant access to more features inside RadarOmega. Desktop access is available with any subscription tier. Your subscription can be upgraded, downgraded, or cancelled at any time through the "Manage Subscription" menu under the "Manage Account" section in the side menu. Keep in mind that a subscription **is not required** to use the base application! More information about different subscription tiers is available on page 2.



RapidSweep is an add-on that is separate from the base application or subscriptions. This add-on is a monthly or yearly recurring payment that is purchased through the RadarOmega website (https://account.radaromega.com), or through the "Manage Add-Ons" menu under the "Manage Account" section under "Settings" in the side menu. This add-on grants access to the RapidSweep feature only - it does not provide desktop access or any other features in any of the other subscription tiers. More information about RapidSweep is available on page 28.

Note: For enterprise users, please contact your account manager to manage your subscriptions or add-ons.

Base Application, Subscriptions, and Add-Ons

Base Application

- Warning Display Dialog
- Hi-Res Storm Relative Velocity
- MRMS Reflectivity
- Hi-Res Single Site Radar Data
- 30 Frames of Data
- 7 Day Radar History
- National Digital Forecast Database
- Lightning Detection/Animation
- 24 Hour Storm Reports
- SPC Convective Outlooks & Watches
- ECCC Canadian Severe Weather Outlooks
- NHC Tropical Suite & Hurricane Hunter
- Tropical Weather Spaghetti Models
- WPC Excessive Rainfall Outlooks
- Mesoscale Discussions (Severe, Winter, & Precip.)
- CPC Temp. & Precip. Outlooks
- Fire Weather Outlooks & Drought Monitor
- WPC Winter Forecasts & WSSI
- METARS
- Real-Time NWS Storm-Based Warnings
- Non-Precip Watches/Warnings for USA
- Flash Animation & In-App Sound Alert for All Alerts
- WPC Surface Analysis
- Buoy Data & Tide Forecasts
- NEXRAD Hail History
- Spotter Network Locations
- Power Outage Layer
- Map Type Customization
- Detailed City & Road Network
- 15 Custom Locations with a Linked RadarOmega Account
- Drawing, Data Viewer, & Distance Tools
- Storm Track Drawing Tool
- Share Screenshot & Video
- Push Notifications for All Storm-Based Watches/Warnings Using GPS Location
- Access to cyclonePORT Network

Additional Add-Ons

- Rapid Sweep[RS]

Gamma[G]

- Hi-Res Satellite Data
- Lightning Detection/Animation, METARS, & GLM for Satellite Sectors
- Access to Project MesoVort
- 75 Frames of Data
- Dual View Radar/Satellite with 30 Frames
- 7 Frames of Data for Full Disk + Global Satellite Sectors
- Smoothing for Radar/Satellite
- 30 Day Radar History
- 6 Month Storm Report Archive
- Tropical Weather Spaghetti Model Archive
- 3D Radar/Satellite
- Upload 3 Custom Color Tables
- 30 Custom Locations with Icon Upload, 2 Custom Location Lists
- Push Notifications Open to All Weather Alerts Using GPS Location ONLY (max of 8 at a time)

Beta[B]

Everything in Gamma PLUS

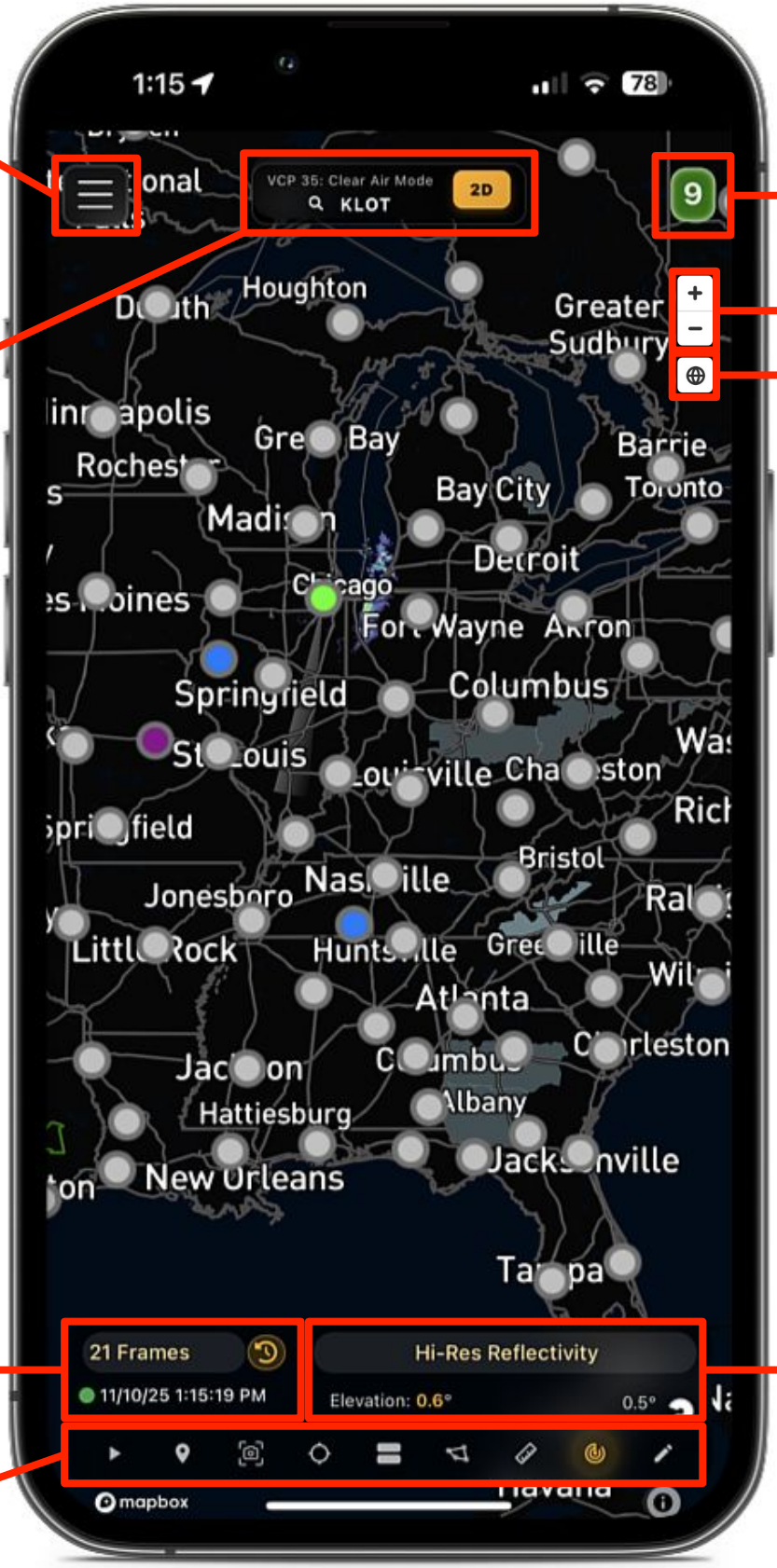
- MRMS Data
- 150 Frames of Data
- Dual View Radar/Satellite with 50 Frames
- 21 Frames of Data for Full Disk + Global Satellite Sectors
- Smoothing for MRMS
- 90 Day Radar History
- 5 Year Storm Report Archive
- 3D MRMS
- Upload 8 Custom Color Tables
- 75 Custom Locations with Icon Upload, 5 Custom Location Lists

Alpha[A]

Everything in Beta PLUS

- Volumetric Radar
- Model Data with Contours for HRRR, NAM3KM, NAM12KM, RAP, GFS, ECMWF, HWRF, & HMON
- 250 Frames of Data
- Dual View Radar/Satellite with 100 Frames
- 50 Frames of Data for Full Disk + Global Satellite Sectors
- Quad View Radar/Satellite on Tablet & Desktop with 50 Frames
- Smoothing for Models
- 90 Day Radar History
- 10 Year Storm Report Archive
- Upload 30 Custom Color Tables
- 150 Custom Locations with Icon Upload, 10 Custom Location Lists
- 1 Site Lightning Monitoring with Custom Range Zones
- Push Notifications Open to All Weather Alerts for up to 3 Custom Locations and GPS Locations (max of 8 at a time)

RadarOmega Main Display



Side Menu Access

Top Menu

Active Enabled Weather Alerts

Zoom Controls

Globe Projection Toggle

Frame Selector

Product Selector

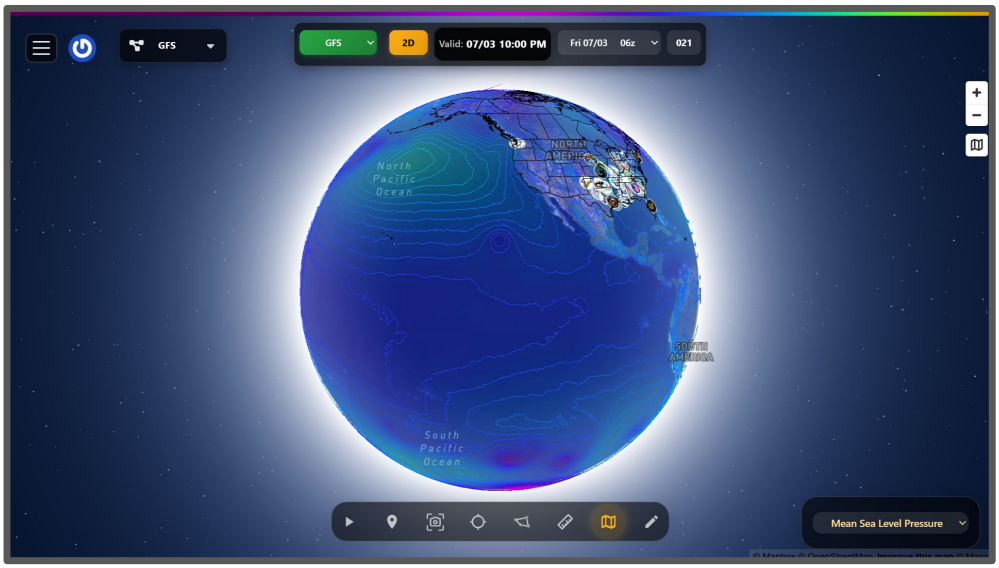
Bottom Menu

Main Display - Mercator vs. Globe Projection

The default map display in RadarOmega is Mercator Projection, i.e. a flat map. Tap on the globe icon in the top right underneath the Active Enabled Weather Alerts to enable Globe Projection. If you do not see the globe icon, ensure that the option to display the globe icon is enabled in the Display Settings menu (more information on page 72). Tap the icon again to return back to Mercator Projection.

Globe projection offers a better perspective for some data sets and provides a different experience with RadarOmega.







Navigating the Bottom Menu



Play/Pause button. Tap and hold to access the scrubber bar. In Single-Site Radar Mode, this button will only appear when a tower is selected.



Hide/show your current location on the map. Tap and hold to open the Location Settings menu.



Take screenshot. On mobile, this option can be used to screen record as well.



Data inspector tool. Select the icon and position the reticle over data to view its exact value. Tap and hold to switch to Scope Viewer (see page 8 for details).



Dual panel display. Compatible with single-site radar[G] and satellite[B] mode to view two different products simultaneously. Click and hold this icon to switch to quad panel display[A] (quad panel available for desktop and tablet only).



Manual storm track tool. Tap and hold to access the settings menu for this tool. More information on how to use this tool on page 11.



Distance measurement tool. After selecting, click and drag between two points you would like to measure. The distance will be given near the top of the screen.



Hide/show radar sites. When towers are showing, icon will be illuminated. Only appears on the bottom menu while in Single-Site Radar mode.



Add additional long-wave infrared and GLM lightning data layers to compatible satellite sectors and products. More information on page 39.



Toggles road and city layer on/off. Does not appear in the bottom menu in single site radar mode.



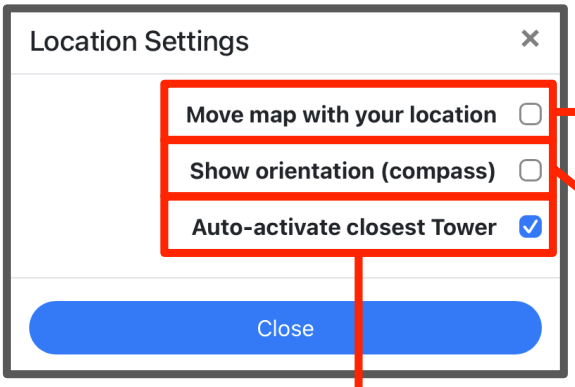
Draw tool. Allows you to make quick annotations and drawings on the map.

Location Toggle and Location Settings

You can toggle your current location on the map by tapping on the location toggle icon in the bottom menu. This icon will turn green when your location is enabled. For this feature to work properly on mobile, make sure location permissions are allowed for RadarOmega in your mobile device's settings menu.



For mobile devices, tap and hold the icon to open the Location Settings menu:

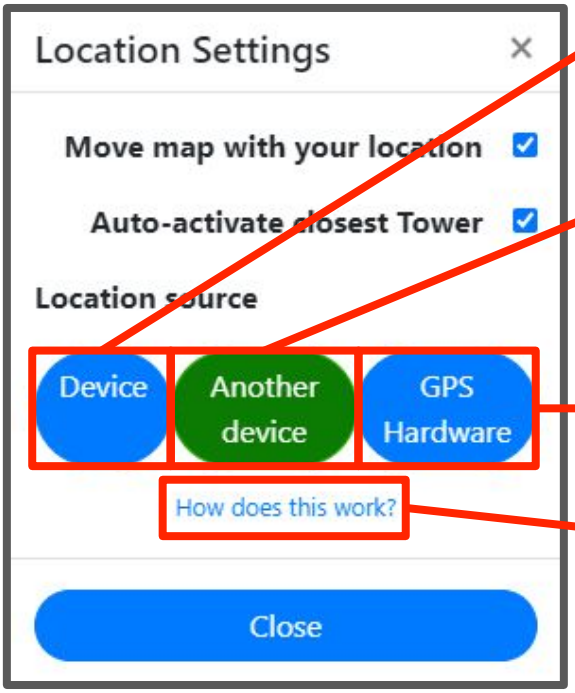


With this option enabled, the map will be fixed to your current location. Either disable your current location or disable this option to view other parts of the map.

Turn this option on to show the direction you are facing on the display.

With this option enabled, the closest tower to your location will automatically activate upon opening RadarOmega.

Most desktop/laptop computers do not have built-in GPS capability. Therefore, this menu on the desktop version of RadarOmega looks slightly different:



If your computer **does** have built-in GPS capability, select this option to use it as the location source.

Select this option to use your mobile device as the location source. Your location will populate in RadarOmega on your computer based off of your mobile device's location. You **must** be signed in to your account on your mobile device and have RadarOmega open on your mobile device.

If you have third party GPS hardware, like a GPS puck, ensure that it is connected to your computer, then select this option to use this as the location source[B].

Click here to learn more about which location source is best for you.

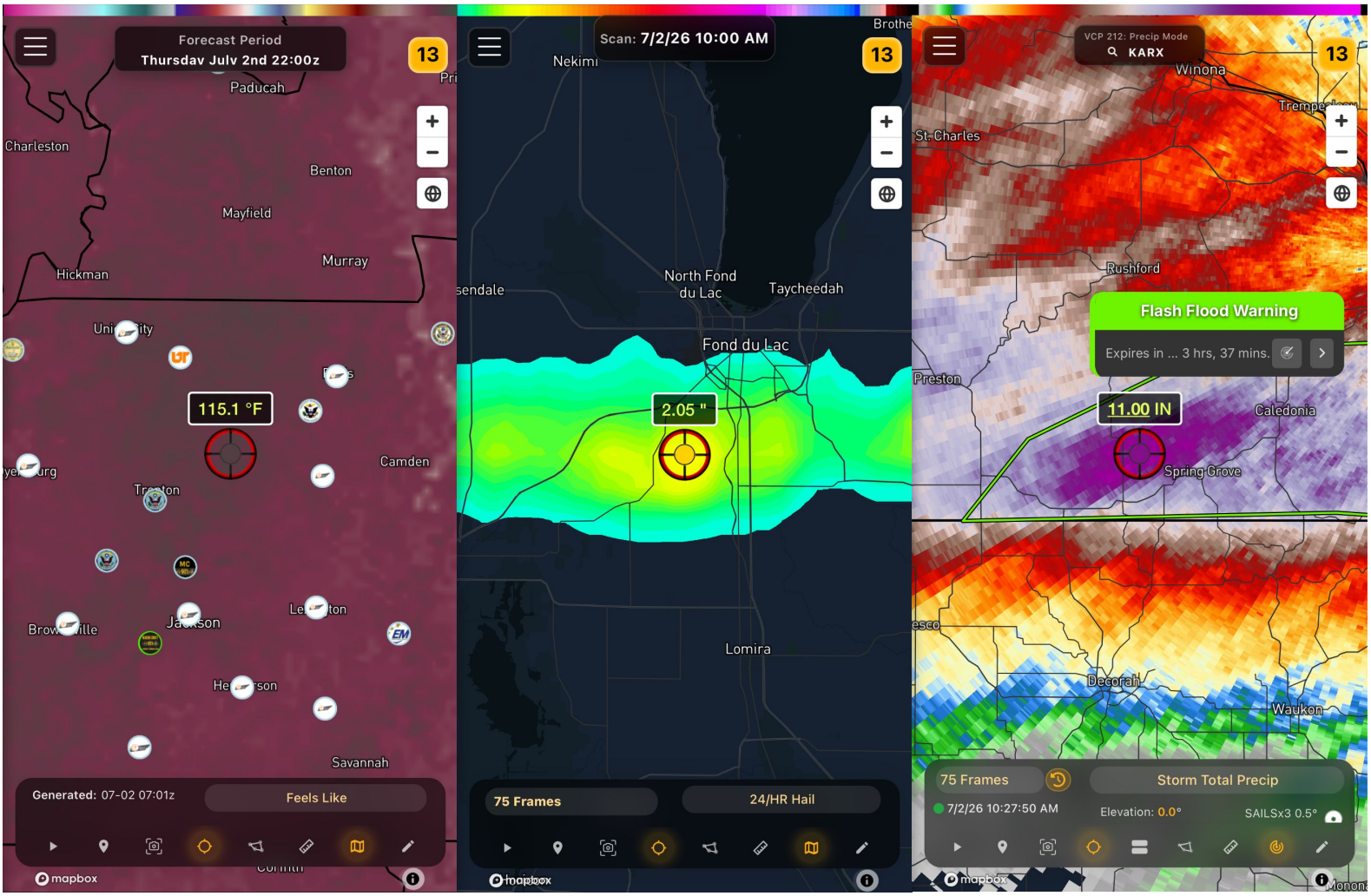
Data Inspector Tool

Enable the Data Inspector tool by tapping on it in the bottom menu. When enabled, a reticle will appear in the middle of the screen - position reticle over the data you would like to examine to read out its exact value. The readout will appear above the reticle, as well as in the top menu in single-site radar mode.



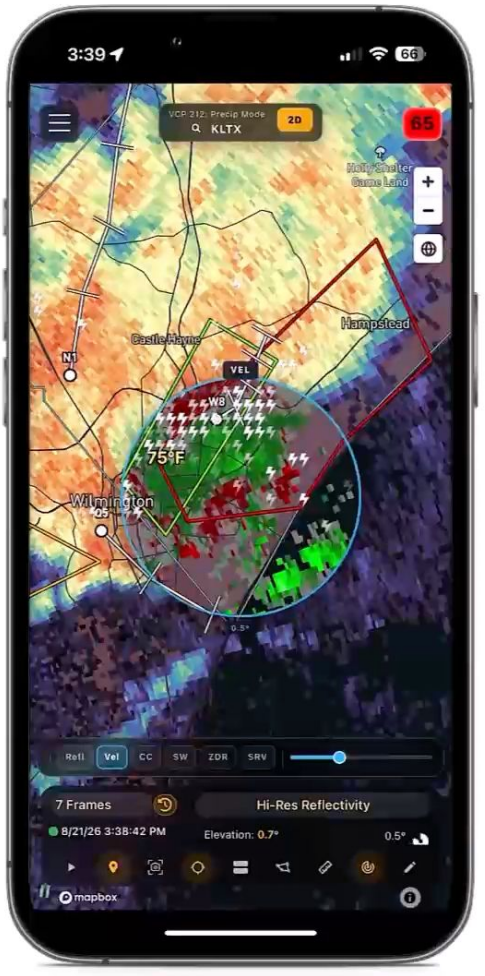
Changes made to unit types throughout the settings of RadarOmega will reflect the inspector tool readout.

Tapping and holding on the Data Inspector Tool button in the bottom menu will open the settings menu, allowing you to change where the readout will appear.



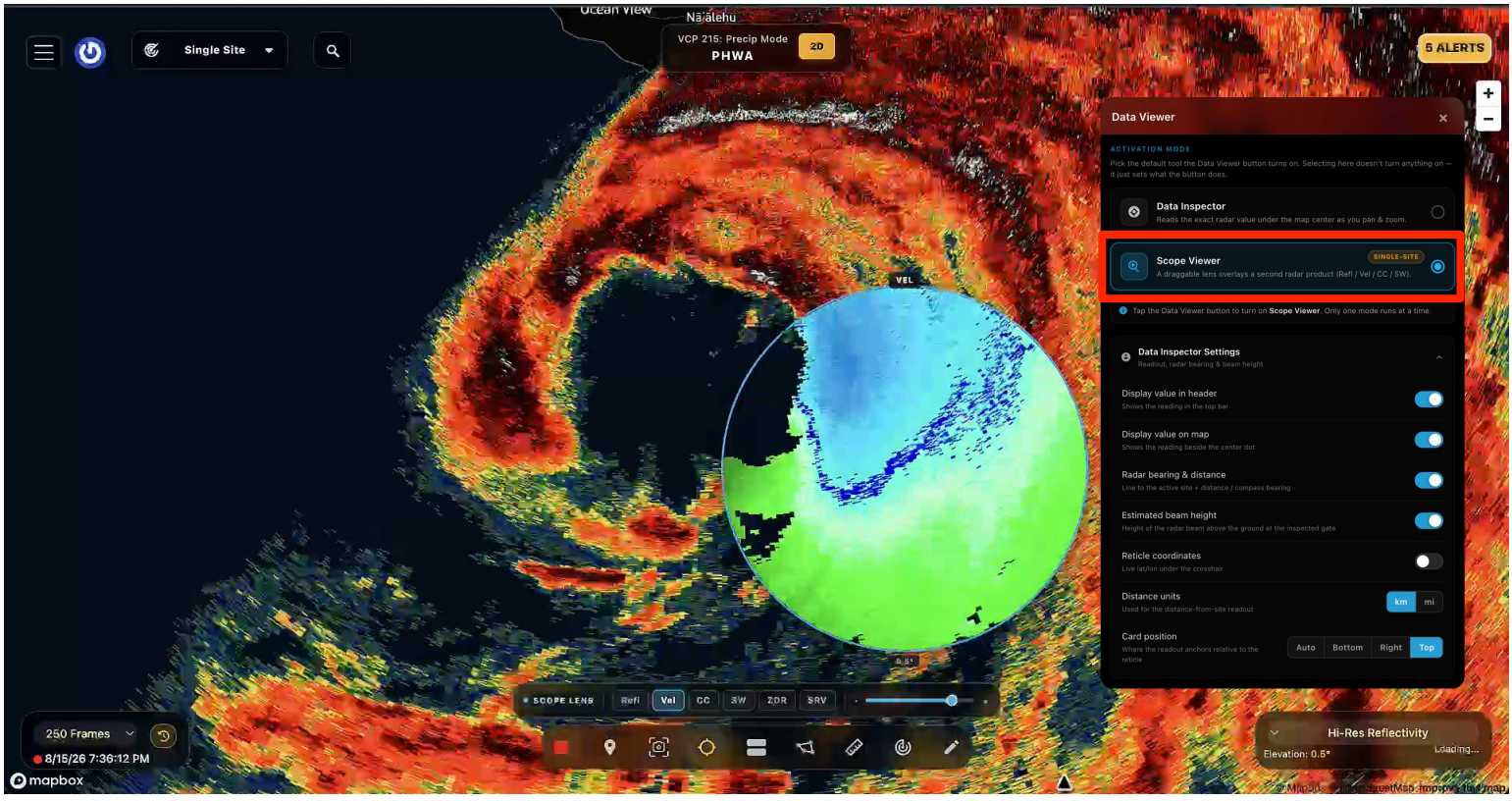
Data Inspection: Scope Viewer

Scope Viewer makes it easy to compare radar products without switching between them. **Available in Single Site mode and available to all users**, Scope Viewer acts as a draggable lens that overlays a second radar product on your current view.



Choose from Reflectivity, Correlation Coefficient (CC,) Spectrum Width (SW), Differential Reflectivity (ZDR), or Storm Relative Velocity (SRV), then drag the viewer across the radar to explore and compare data.

To access Scope Viewer: Press and hold the Data Inspector icon in the bottom menu to open the Data Viewer settings menu. Select Scope Viewer, then enable the tool from the bottom menu. In this settings menu, you will also find additional options to enable beam height, tower bearing, and coordinate information on the Data Inspector readout.

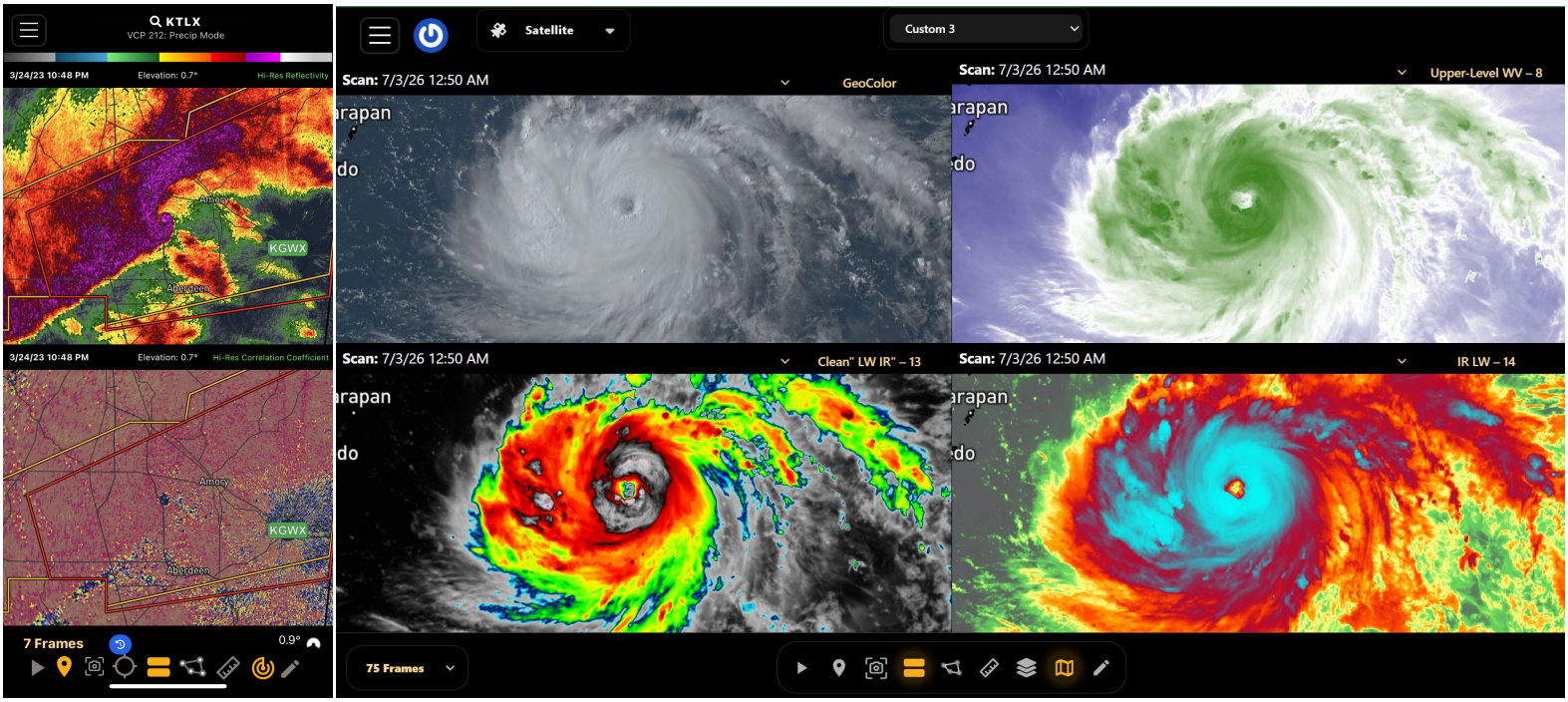


Dual/Quad Panel Display

Dual or Quad Panel Display can be used to see multiple single-site radar or satellite products side-by-side. To activate dual panel display, tap on the dual panel icon in the bottom menu. The product selector for each panel will be located in the top right corner of each display panel.



For quad panel, tap/click and hold on the dual panel icon, select “Quad Panel Display”, then tap the icon again in the bottom menu. Again, the product selector for each panel will be located in the top right corner of each display panel. Quad panel display is available only for tablets and desktop computers.



Distance Measurement Tool



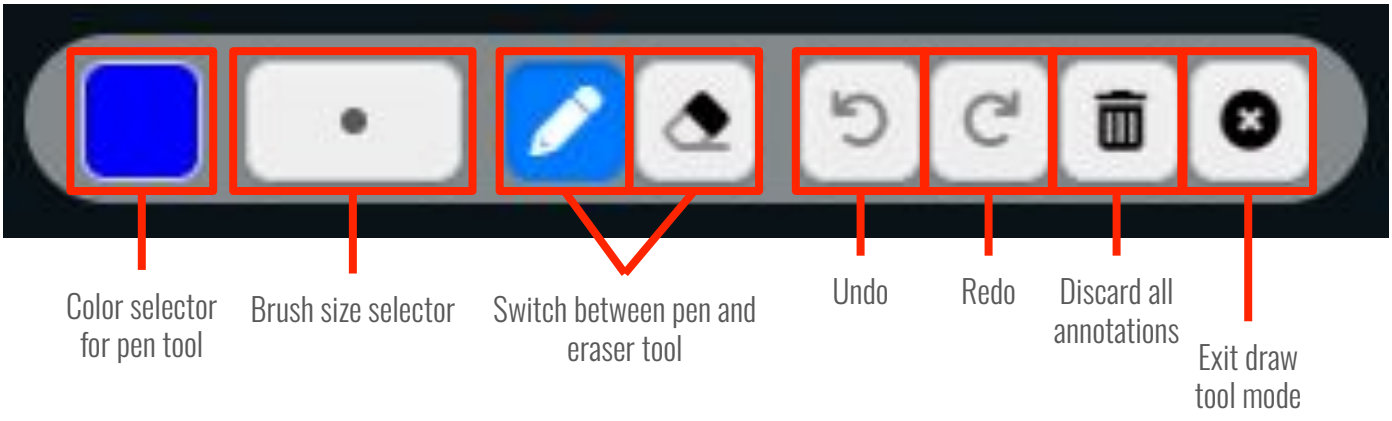
You can measure the distance between two points on the map using the distance measurement tool. Select the tool, then tap and drag to measure the distance between the start point and end point. The readout will appear in the top menu.

Tapping and holding on the distance measurement tool icon will open a settings menu where various components of the measurement tool can be adjusted, or change the unit of measure. With the “New start point each time” option enabled, every time you tap and drag, the initial point will reset to where you initially tap. With this option disabled, the initial point will remain, but the end point will adjust to where you drag.

Draw Tool



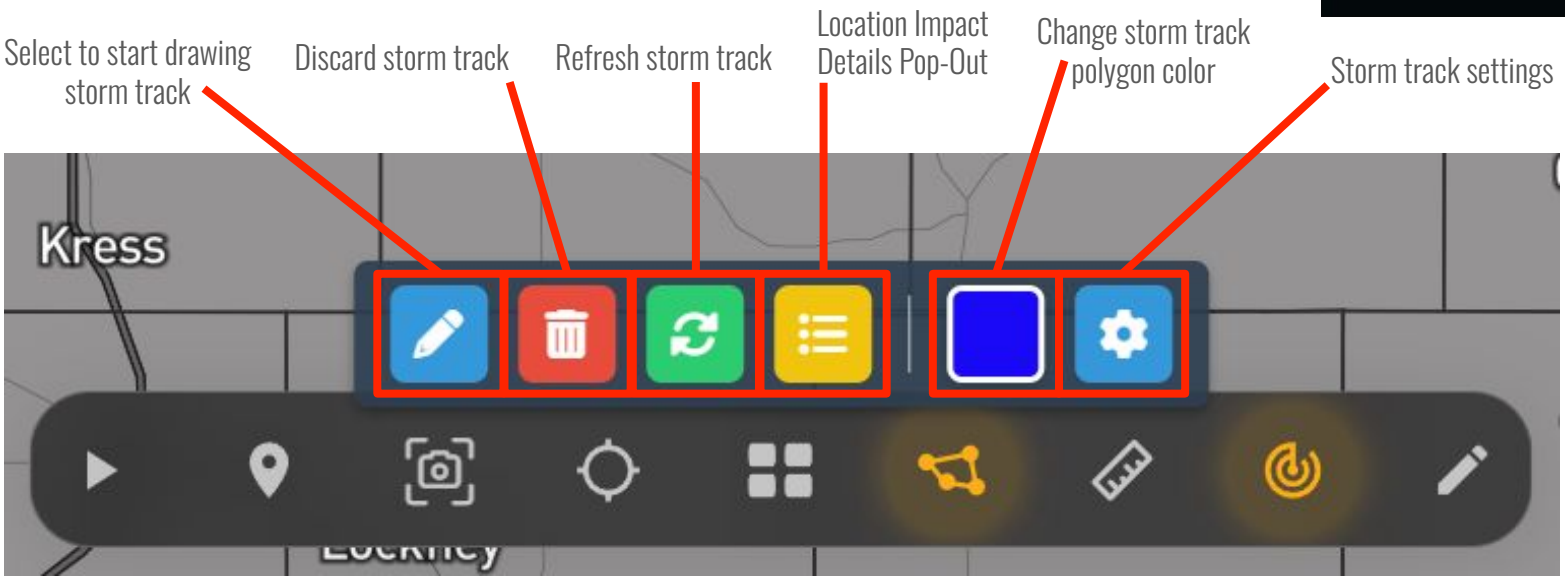
The draw tool can be used to make temporary annotations on the map. Select the tool in the bottom menu, then tap and drag to draw.

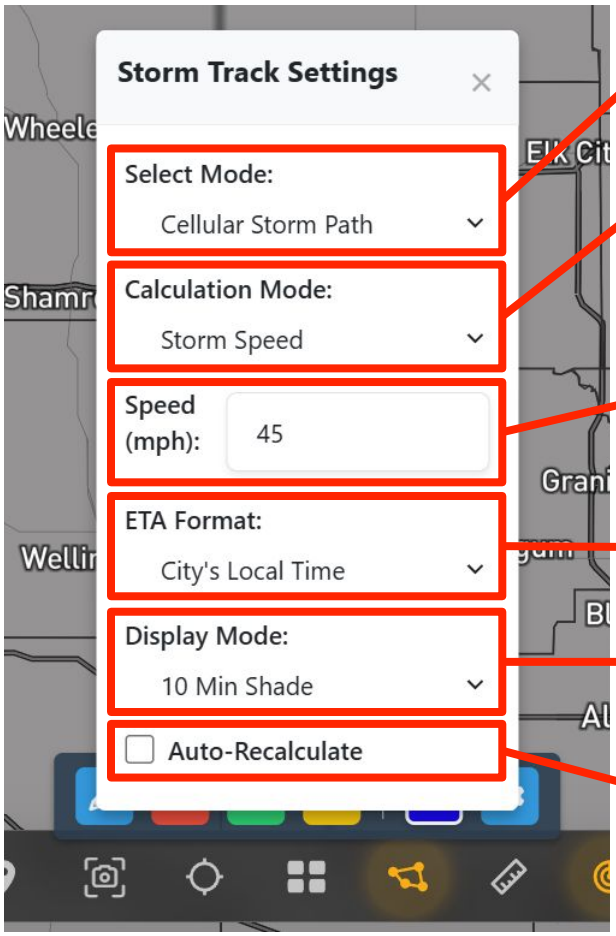


Manual Storm Track Tool

The storm track tool returns a shaded region representing the storm's possible path, a list of communities in the storm's possible path, and estimated arrival times. Tap/click on the storm track icon in the bottom menu to open the storm track toolbar:







Switch between storm track modes: Cellular, Linear, or Custom

Switch between impact time calculation modes: Storm Speed mode or Endpoint Time mode. Storm speed mode will return a impact times based on a constant user-denoted storm speed. Endpoint Time mode will return impact times based the end of the polygon representing a user-denoted endpoint time.

Enter the estimated speed of the storm you are tracking to calculate impact times. This storm speed is applied to the storm tracks that you draw. With the Endpoint Time calculation mode enabled, this is replaced with a field to enter a number of minutes.

Enter the estimated speed of the storm you are tracking to calculate impact times

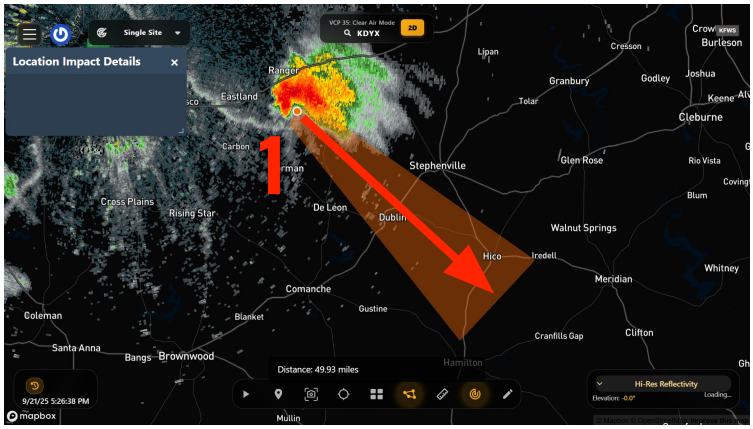
Switch between display modes: Standard (no shading), 5 Minute Shade (lines and shading denote 5 minute intervals), or 10 Minute Shade (10 minute intervals)

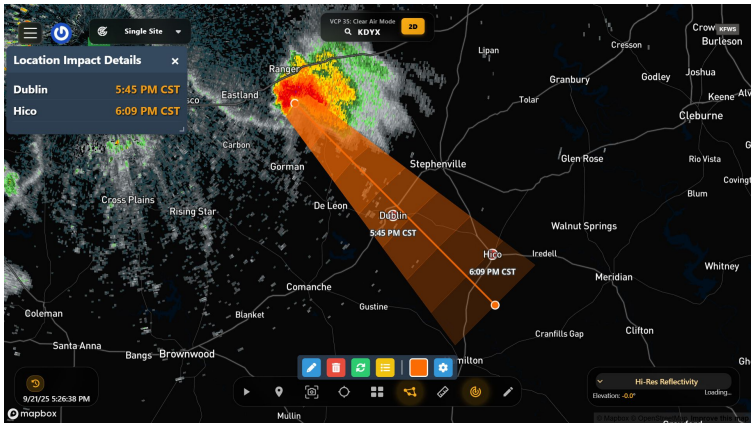
When selected, impact times will update as the user zooms in/out and more/less communities populate on the map

Manual Storm Track Tool

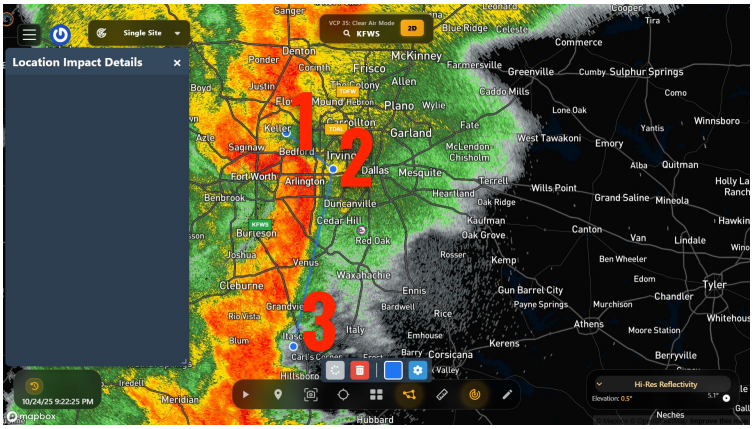
Cellular Mode vs. Linear Mode

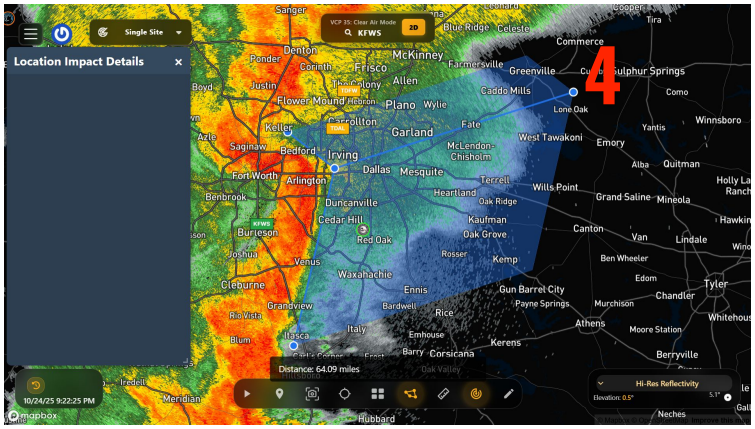
Cellular Mode is the default mode; it is best used when considering a single, isolated storm. In cellular mode, tap/click, hold, and drag in the direction of storm motion:

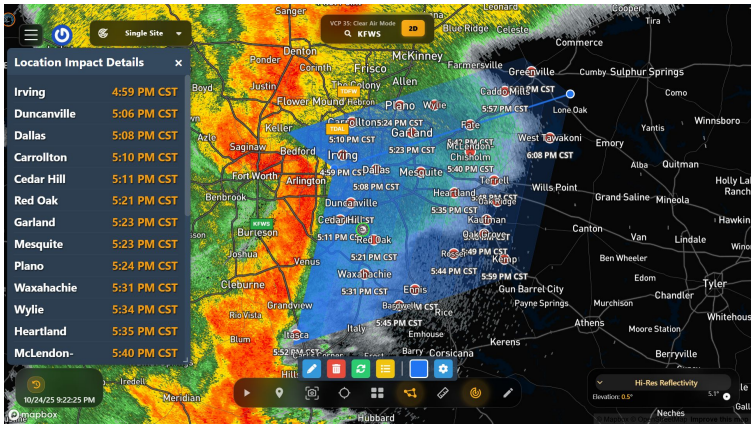




Linear Mode is best used when considering a line of advancing storms. In linear mode, you will place four points on the map. Trace the outline of the leading edge of the storm with the first three points, then place the fourth point in front of the storm in the direction of the storm's motion:



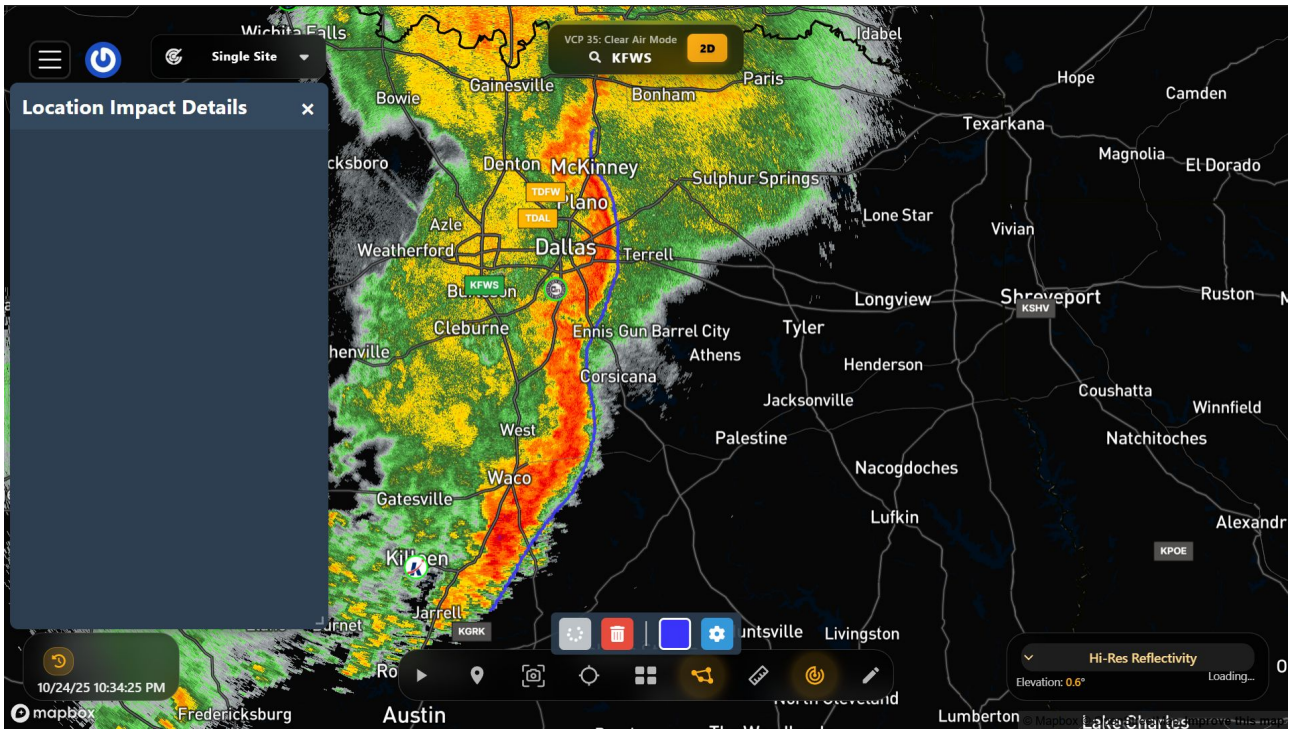


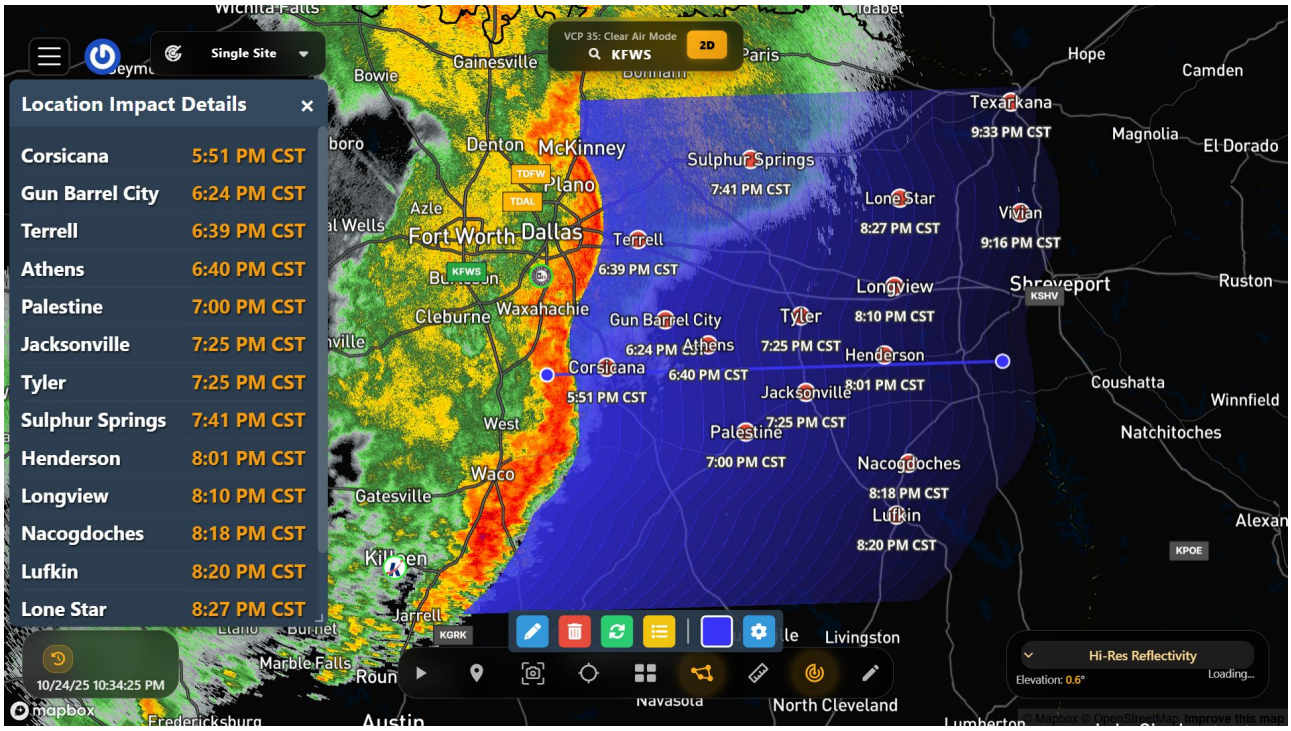


Manual Storm Track Tool

Custom Draw Path Mode

Like Linear Mode, the **Custom Draw Path Mode** is best used when considering a line of advancing storms, but allows for more flexibility. To use this storm track mode, select the storm track draw tool, trace along the edge of the line of storms with the pen tool, then tap/click out ahead of the line of storms in the direction that the storm is moving.



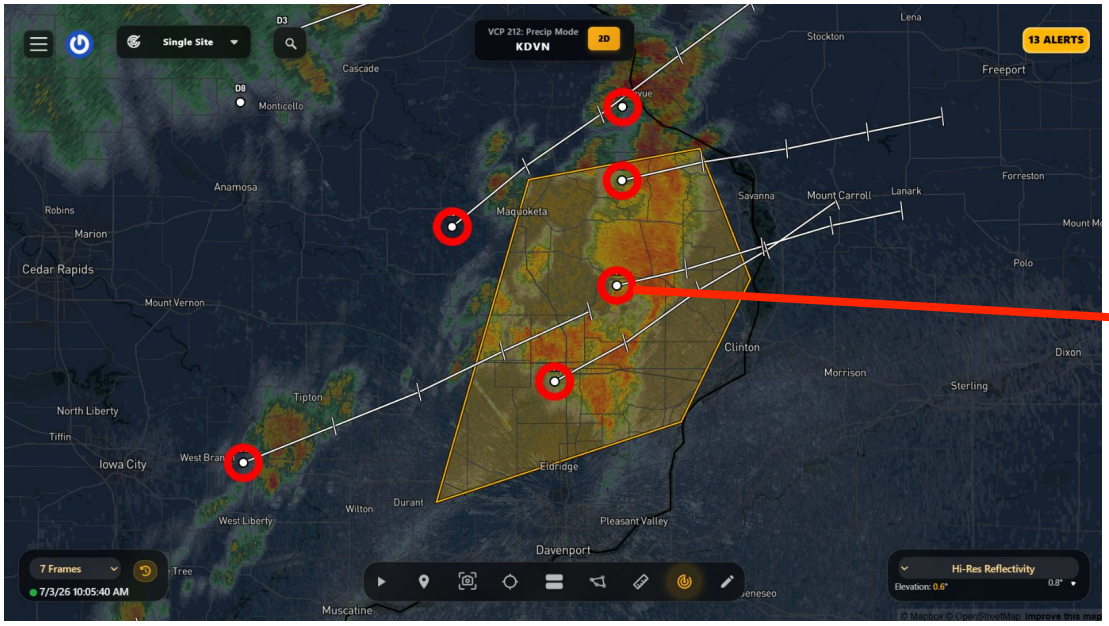


Manual Storm Track Tool

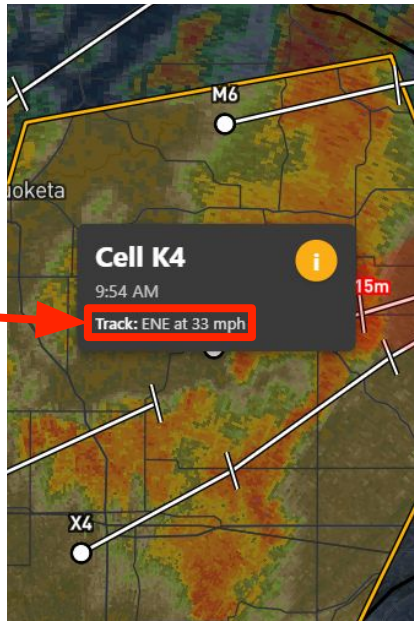
Estimating Storm Speed

1. Storm Track Initial Points

In the Radar Settings menu, you can turn on the “Initial Points” option. These points are automatically generated and can give information about the characteristics of storms in single-site radar mode (more information about initial points on page 20). Tapping on a point will display the storm’s estimated movement speed:



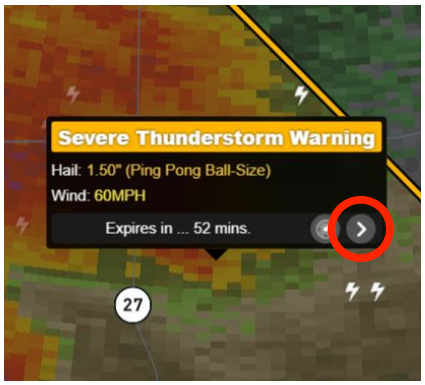
Appearance of Storm Track Initial Points on the Map

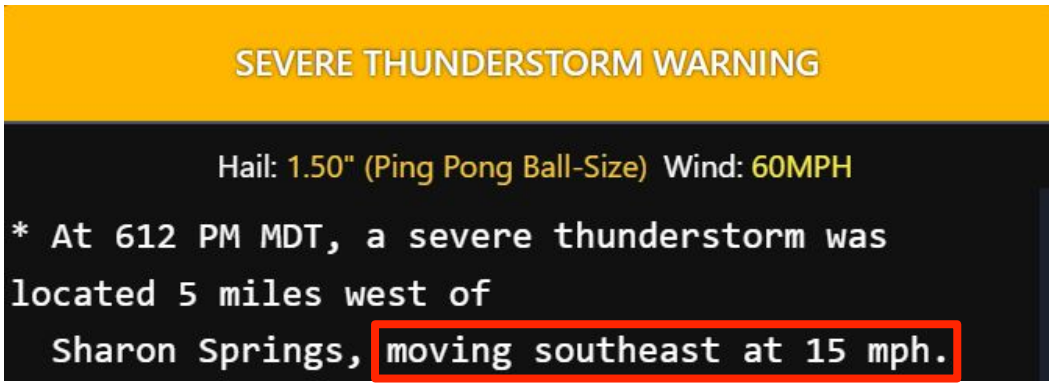


Tap to See Estimated Storm Speed

2. Official Warning Text

The text bulletins associated Special Weather Statements, Severe Thunderstorm Warnings, and Tornado Warnings will contain an estimated storm movement speed. If one of these alerts has been issued for the storm, tap on the polygon, then tap on the icon with three dots to read the text bulletin:

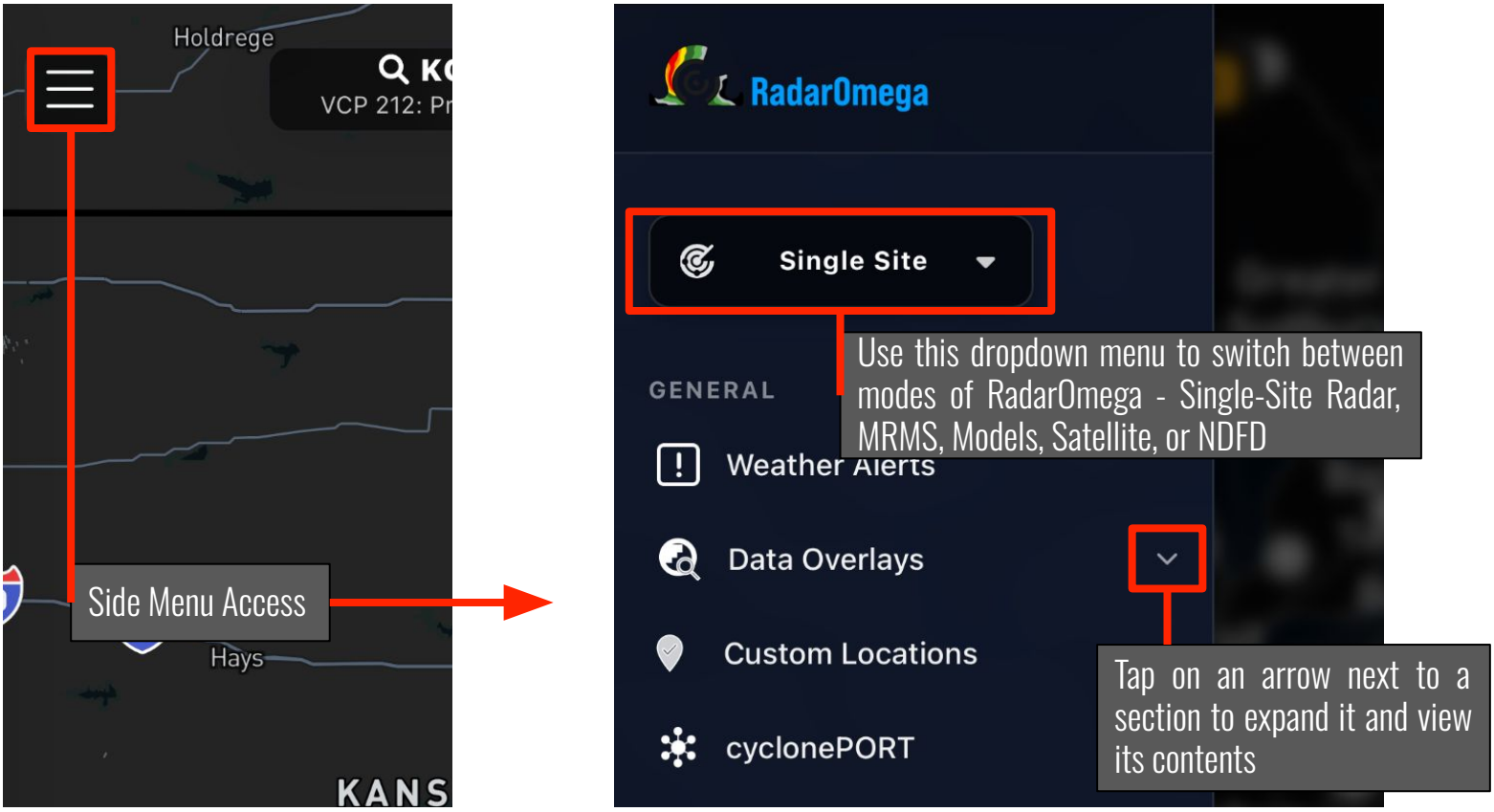




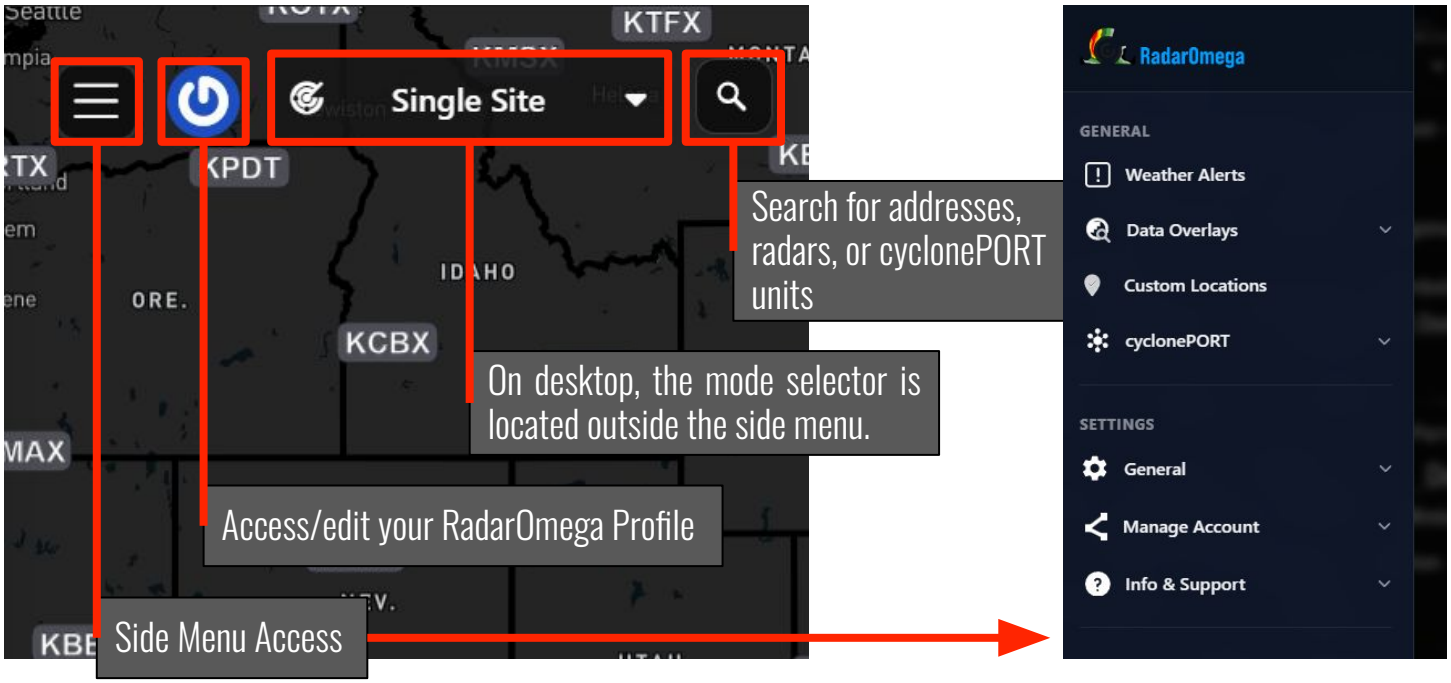
Accessing the Side Menu

To open the side menu, tap on the icon in the far upper left-hand corner of the screen. This icon will appear as three stacked lines.

Mobile View

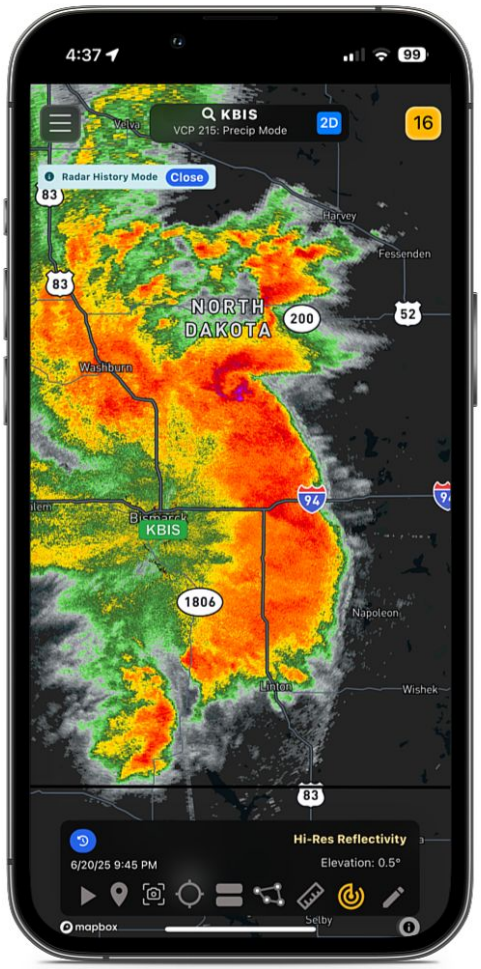


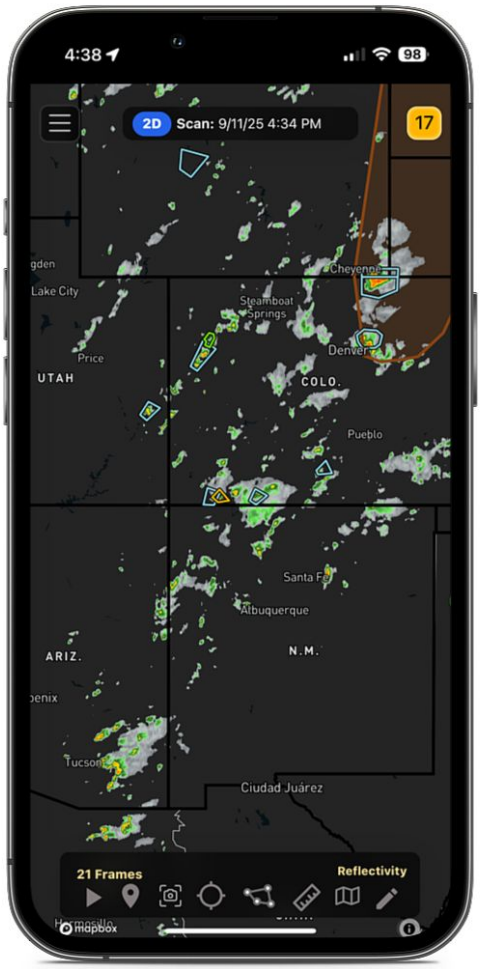
Desktop View

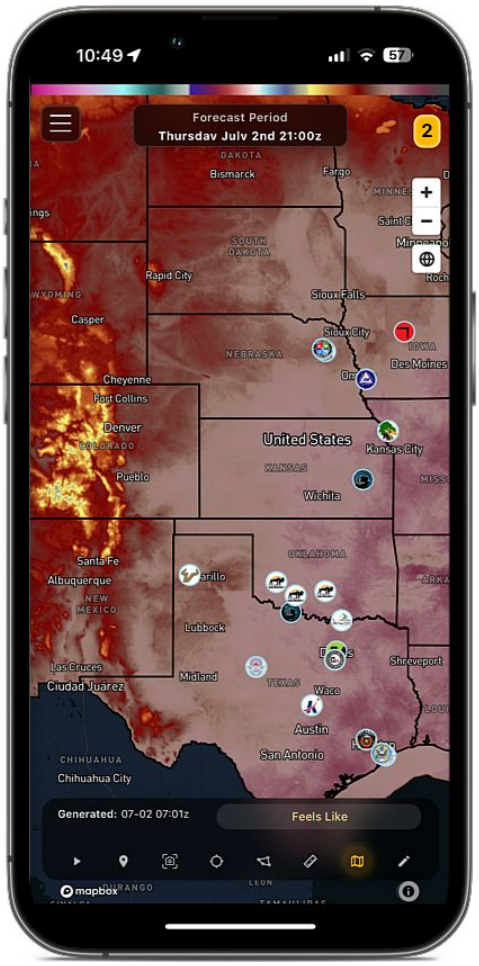


Weather Data

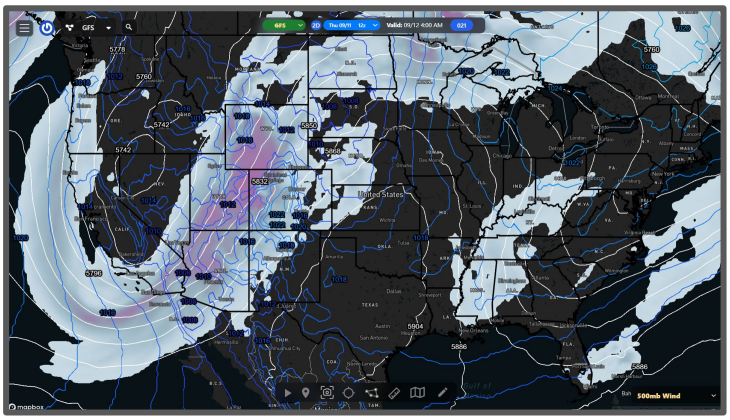
Explore Radar, Forecast, Satellite, and Model data with RadarOmega





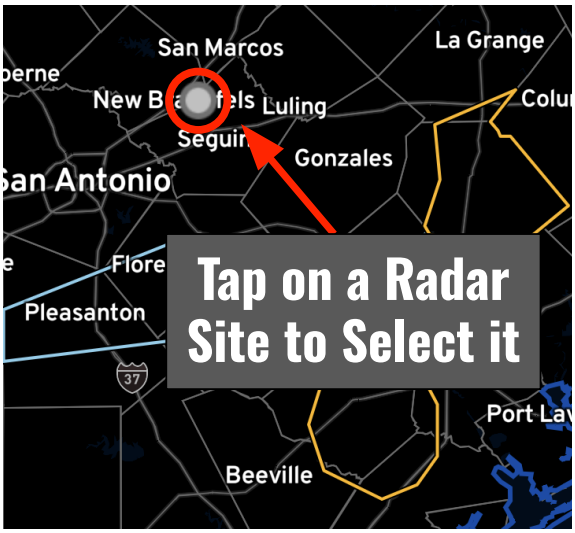


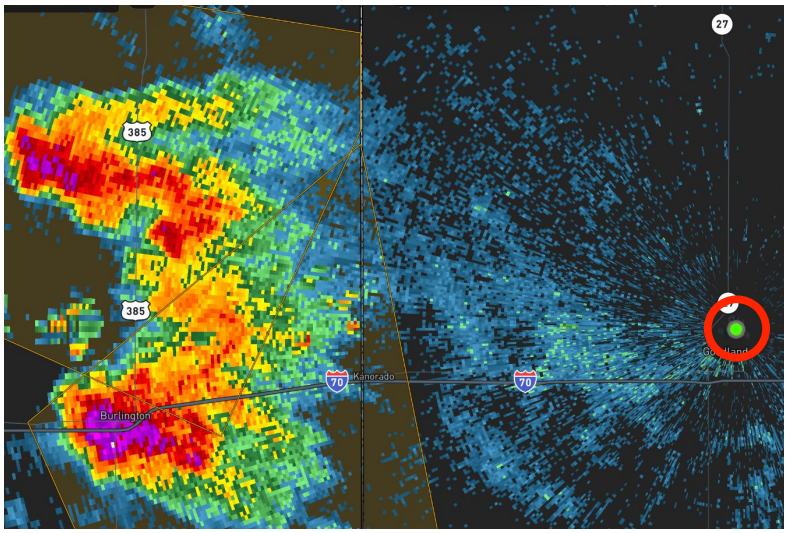




Single Site Radar

Single-site radar mode is the default radar mode in RadarOmega. In this mode, the user will see several “dots” on the map. These dots represent radar towers. Select one to see radar data near the site. The dot will turn green when it is selected.





Single-site radar data is very high resolution, but has a limited range around a given radar site.

If you cannot see radar sites on the map, make sure they are toggled on using the **hide/show radar sites button** in the bottom menu.

Radar data can be animated using the **play/pause button** in the bottom menu. Tap and hold the play button to open a scrubber bar to scrub through the animation.

The number of playback frames can be changed using the **frame selector** in the bottom left.

Different single-site radar products such as hi-res velocity, hi-res correlation coefficient, and hi-res differential reflectivity can be accessed through the **product selector** in the bottom right corner.

Extruded 3D[G] and Volumetric 3D[A] can be enabled by tapping the blue “2D” button on the **top menu**. (More information on Volumetric 3D on page 24)

Important: The **play button** and **top menu** will only appear when a radar site is selected. If you cannot see these, make sure a radar site is selected!

Single-Site Radar

Different Radar Types

Radars are color coded based on their type:

- **Gray**: WSR-88D towers, owned and operated by the National Weather Service. These towers will have the largest range.
- **Green**: The tower that is currently selected.
- **Yellow**: Terminal Doppler Weather Radars (TDWRs). These radars are typically operated by a nearby airport and have a smaller range than a WSR-88D.
- **Purple**: Research radars.
- **Blue**: Furuno radars, a third-party radar company utilized to increase national radar coverage.
- **Brown**: Short range radars associated with the North Dakota Atmospheric Research Board utilized to increase radar coverage in North Dakota.
- **Red**: Can be any of the above radars which may be out of service. If details are provided by the owner regarding the timing of the outage, they will appear in the "Operator Notes" window that opens in the top left automatically when selecting a red radar tower.

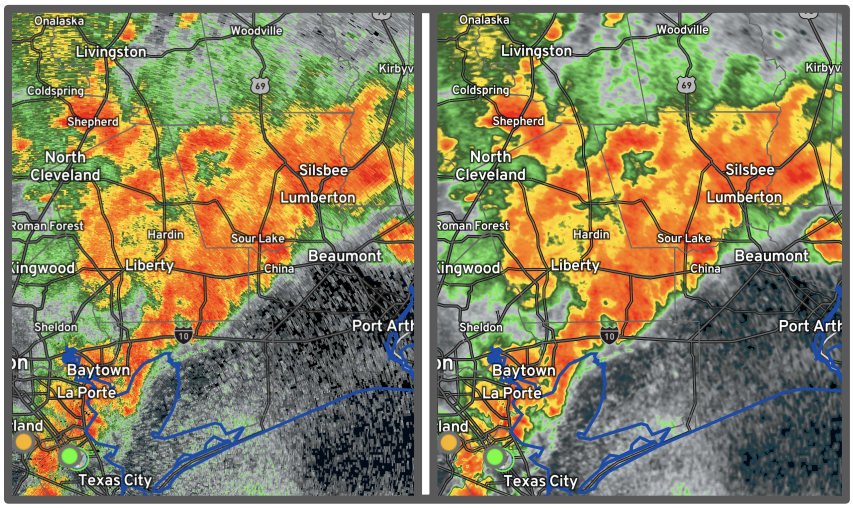
A note about radar sites in RadarOmega: None of the radar towers are owned or operated by RadarOmega - therefore, we cannot control when they are out of service, nor when their service may be restored. It is fairly common for radar sites to go offline. When this happens, you can often find updates on the outage and details about when service is expected to be restored by checking the X (Twitter) page for the National Weather Service office which operates the radar.

Single-Site Radar

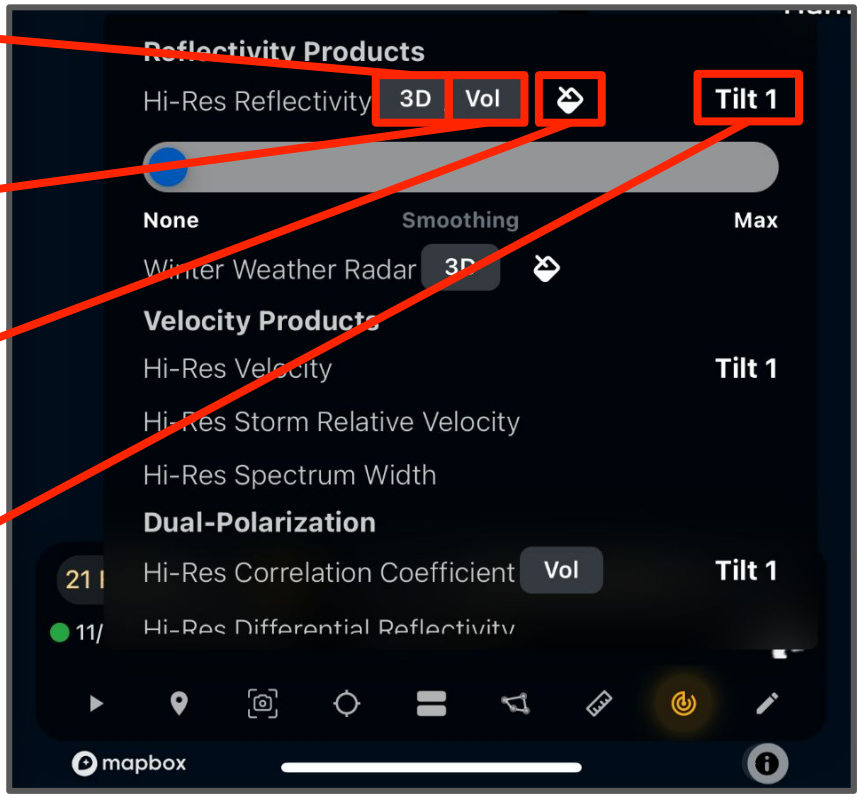
Product Selector Options

Along with changing between different single-site radar products, the **product selector** also allows you to apply smoothing or change the tilt level for compatible products. Smoothing for reflectivity is available to all users, while smoothing for all other compatible products is available to gamma subscribers and above.

For smoothing, select the paint bucket icon next to a compatible product and adjust the slider bar to your preference. If “3D” or “Vol” are next to the product name, this means they are compatible with Extruded[G] and/or Volumetric 3D[A]. Enable these using the “2D” button on the **top menu**.



No Smoothing Applied Smoothing Applied



Indicates Extruded 3D Compatibility

Indicates Volumetric 3D Compatibility

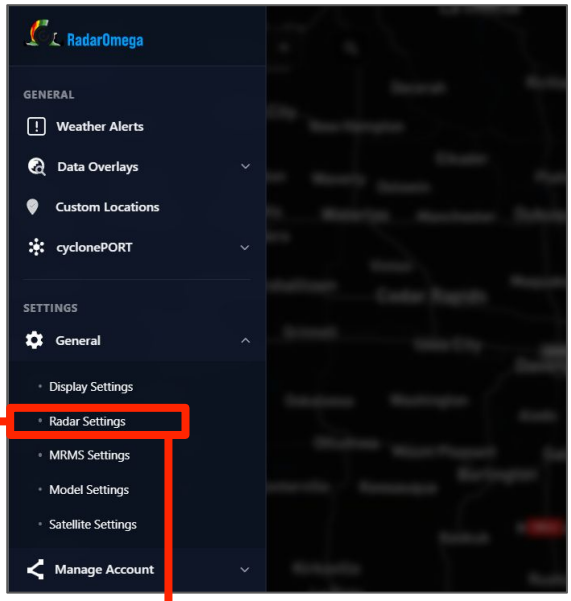
Tap to access smoothing bar

Choose between elevation scan levels by tapping “Tilt” next to a compatible product

Single-Site Radar

Radar Settings - General

The Radar Settings menu, found under the "General" Tab in "Settings" section of the side menu, allows the user to adjust settings pertaining to **single-site radar**. MRMS will not be affected by changes in this menu.



Displays the full range of WSR-88D towers

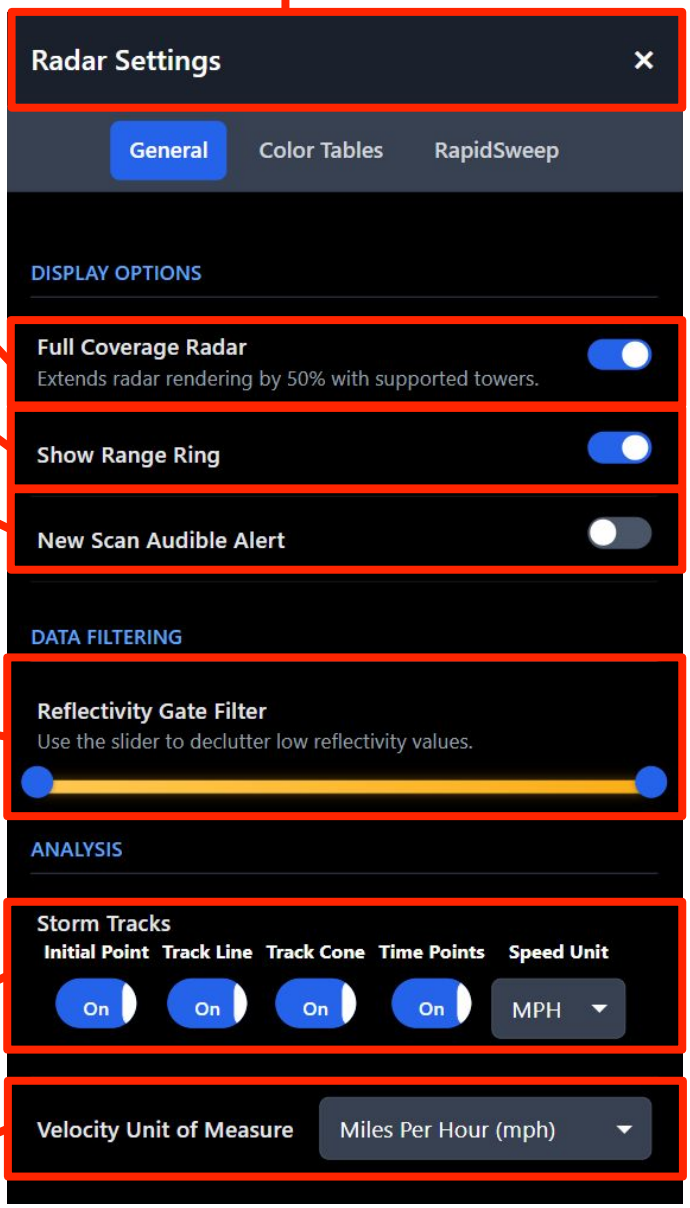
Toggles the visible ring around a selected radar site

Option to play audible alert when a new radar scan comes in

The reflectivity gate filter allows for manual decluttering. Drag the left-hand dot on this slider to the right to begin filtering out lower reflectivity values. Keeping the left-hand dot at or below 10 dBZ is recommended. Note that if both of these dots are all the way to one side of the slider, you **WILL NOT SEE RADAR DATA.**

Use these switches to enable automated storm tracks. When Initial Points are enabled, you can select them to see radar-estimated information and characteristics of individual storms.

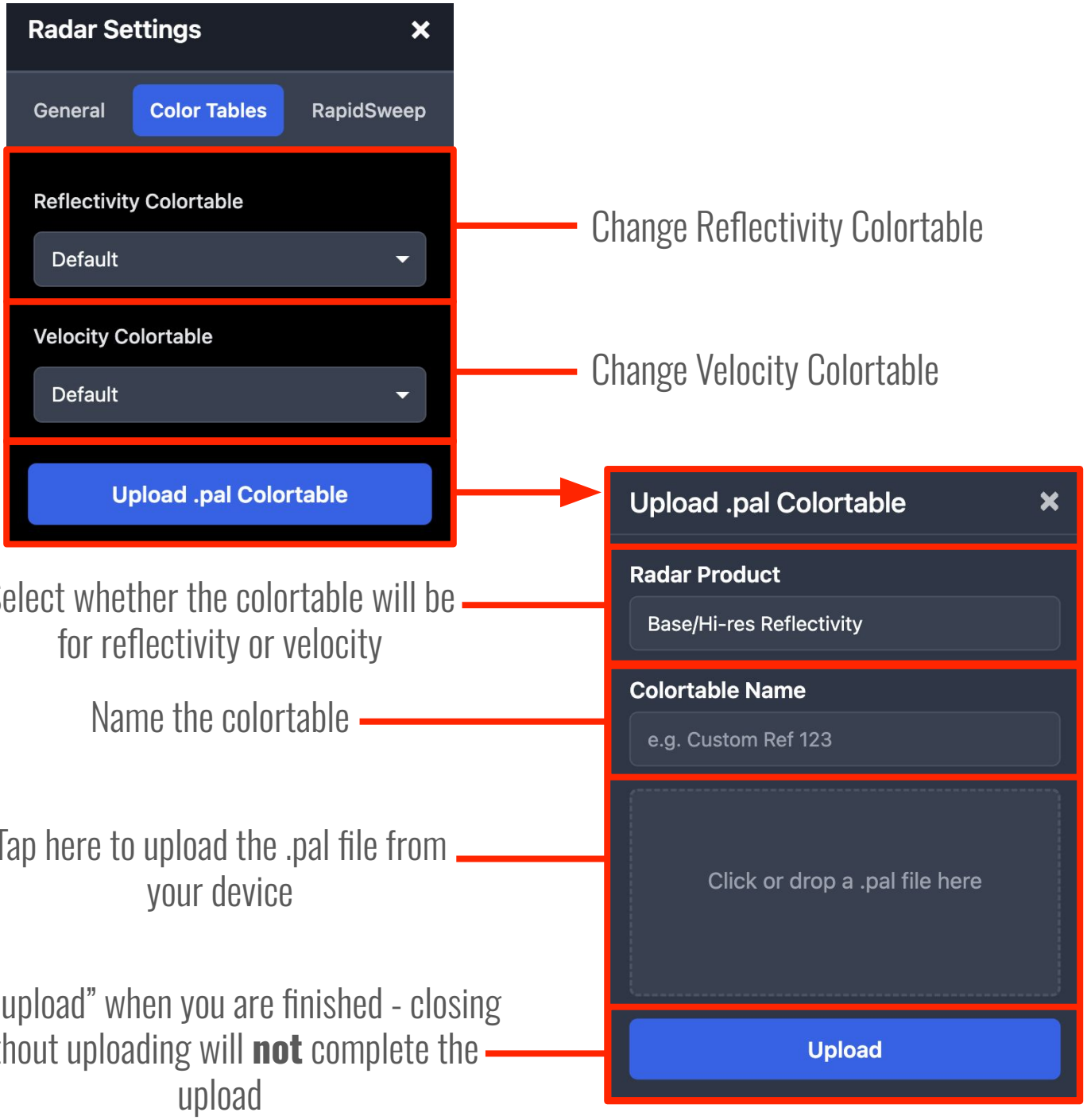
Changes units used in hi-res/base velocity



Single-Site Radar

Radar Settings - Colortables

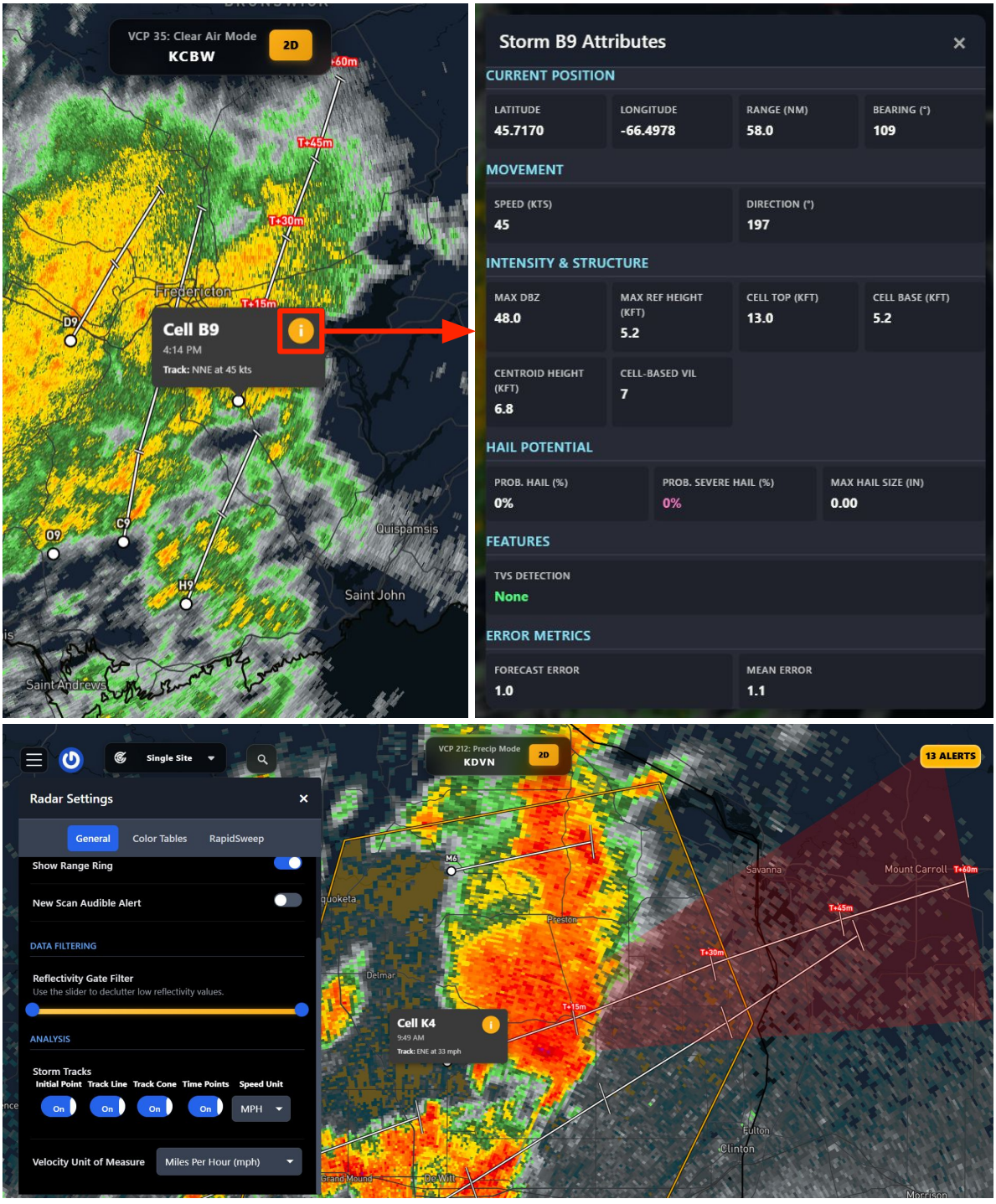
Switch between pre-loaded or custom colortables under the “Color Tables” tab of the Radar Settings menu. All users can choose between preloaded color tables. Gamma subscribers can upload up to 3 custom color tables, Beta subscribers can upload up to 8, and Alpha subscribers can upload up to 30. Custom colortables in “.pal” format can be uploaded by tapping “Upload .pal Colortable” for reflectivity and velocity.



Single-Site Radar

Initial Point Icons

Initial points, or NEXRAD attributes, are enabled from the Radar Settings menu. Tap on an initial point to see information about these characteristics, as well as estimated storm motion. Additionally, track lines, track cones, and time points can be enabled. Keep in mind that this information is **radar estimated** and should always be considered alongside other sources of information.

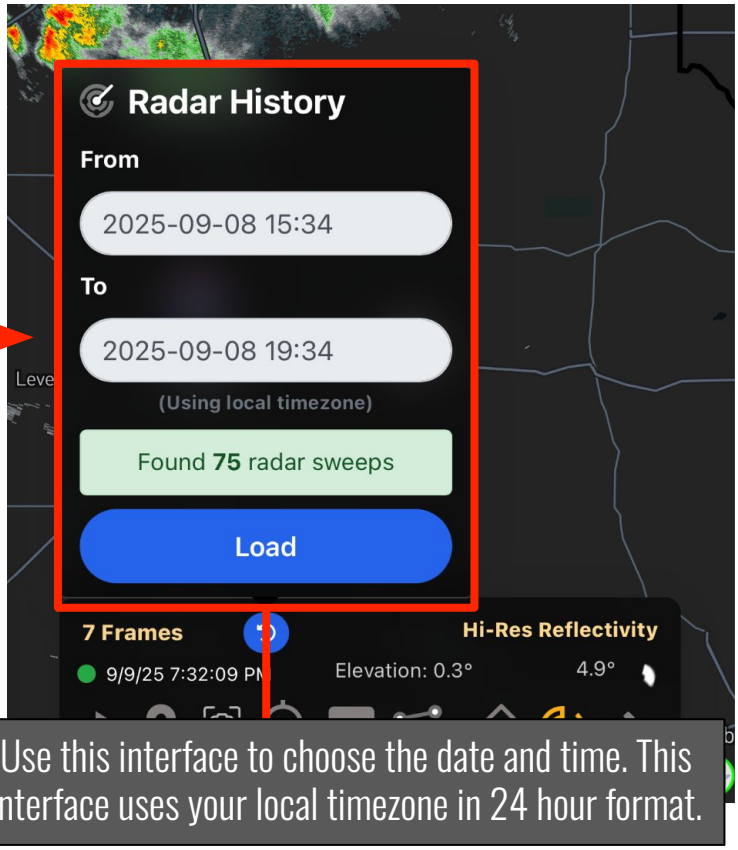


Single-Site Radar

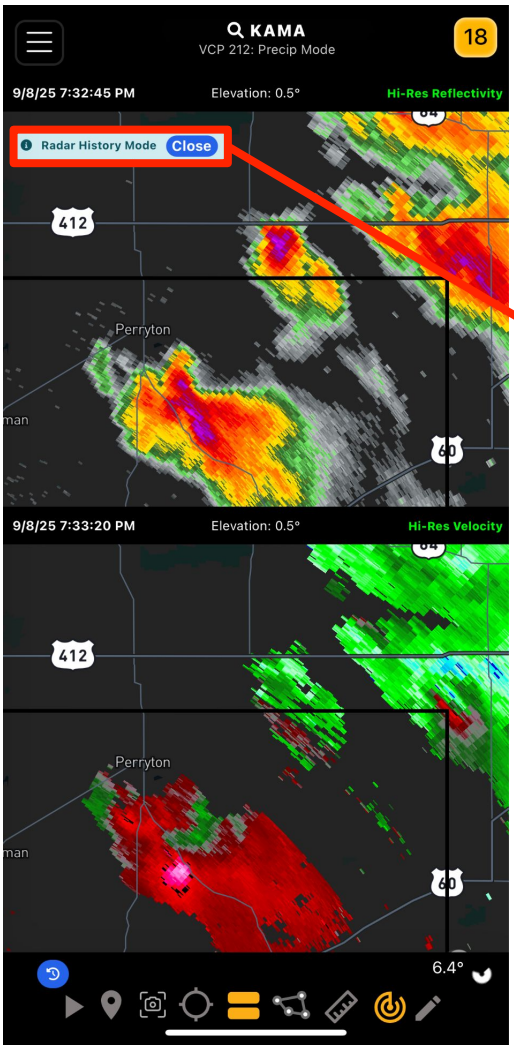
Historical Radar Data

Up to 90 days of historical single-site radar data can be accessed depending on your subscription level. You can access historical radar data by tapping blue clock icon in the **frame selector**.





Use this interface to choose the date and time. This interface uses your local timezone in 24 hour format.



This window will appear to confirm when you have entered radar history mode. Tap "Close" to return to live radar.

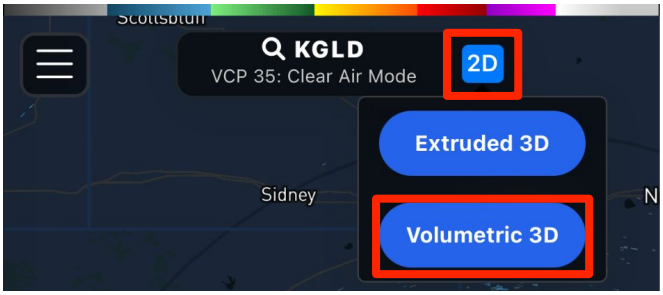
All single site radar products are compatible with radar history mode. Dual and Quad Panel displays can be used as well.

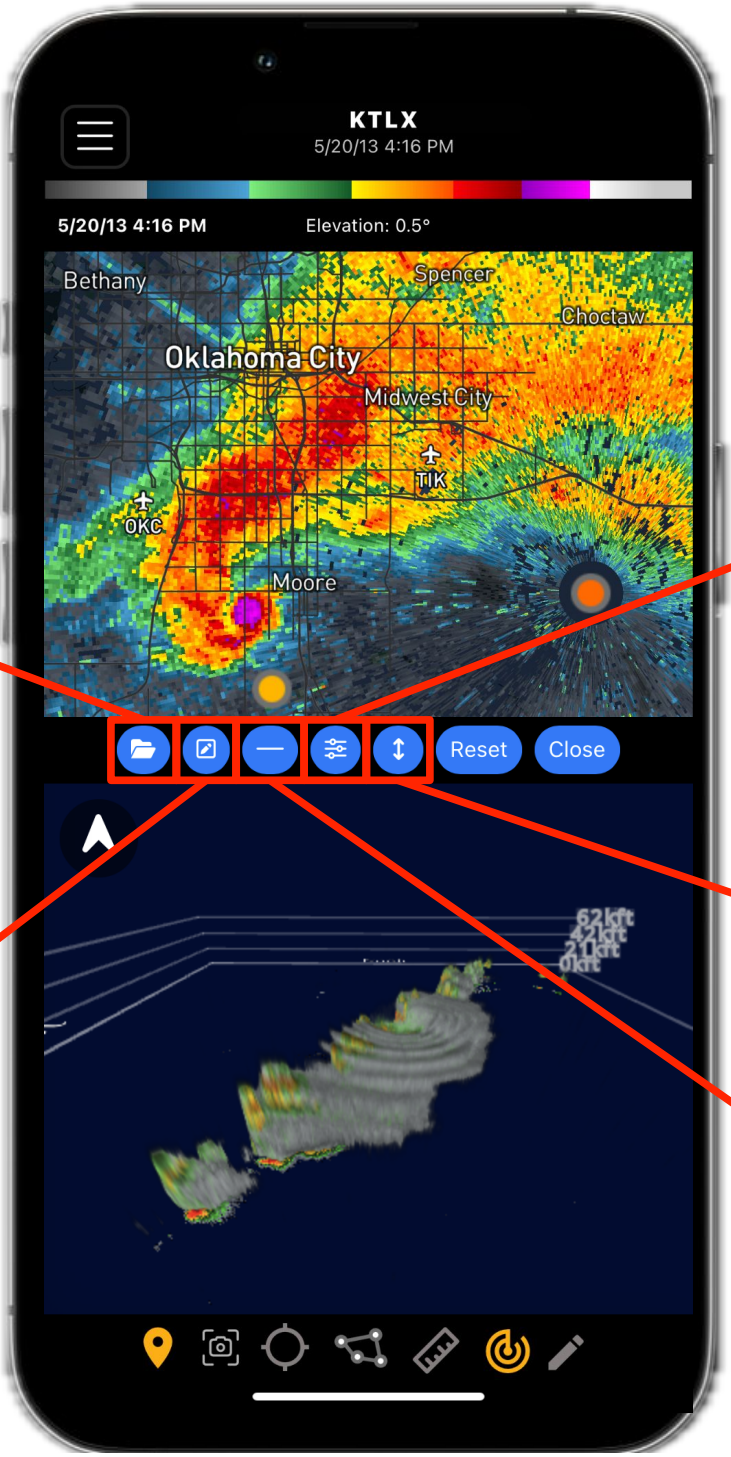
Base application users can access the past 7 days of radar history, gamma subscribers can access up to 30 days, and beta and alpha subscribers can access up to 90 days.

Single-Site Radar

Volumetric 3D Data[A]

The Volumetric 3D data viewer can be opened by tapping the “2D” button in the **top menu** and tapping “Volumetric 3D”.





Historical Examples

Settings Menu

Box Selector Tool

Full Screen

Cross Section Selector Tool

Single-Site Radar

Volumetric 3D Data[A]

The Volumetric 3D data viewer settings menu allows you to make changes to appearance of the data viewer window, the gate filter, and dBZ translucency. Choose between several preset translucency schemes, or create and save your own.

Gate filter slider bar. Works the same way as the slider bar in the Radar Settings menu. Remember, you **will not see data** if both dots are all the way to one side.

Toggles Grid Lines in background of data viewer

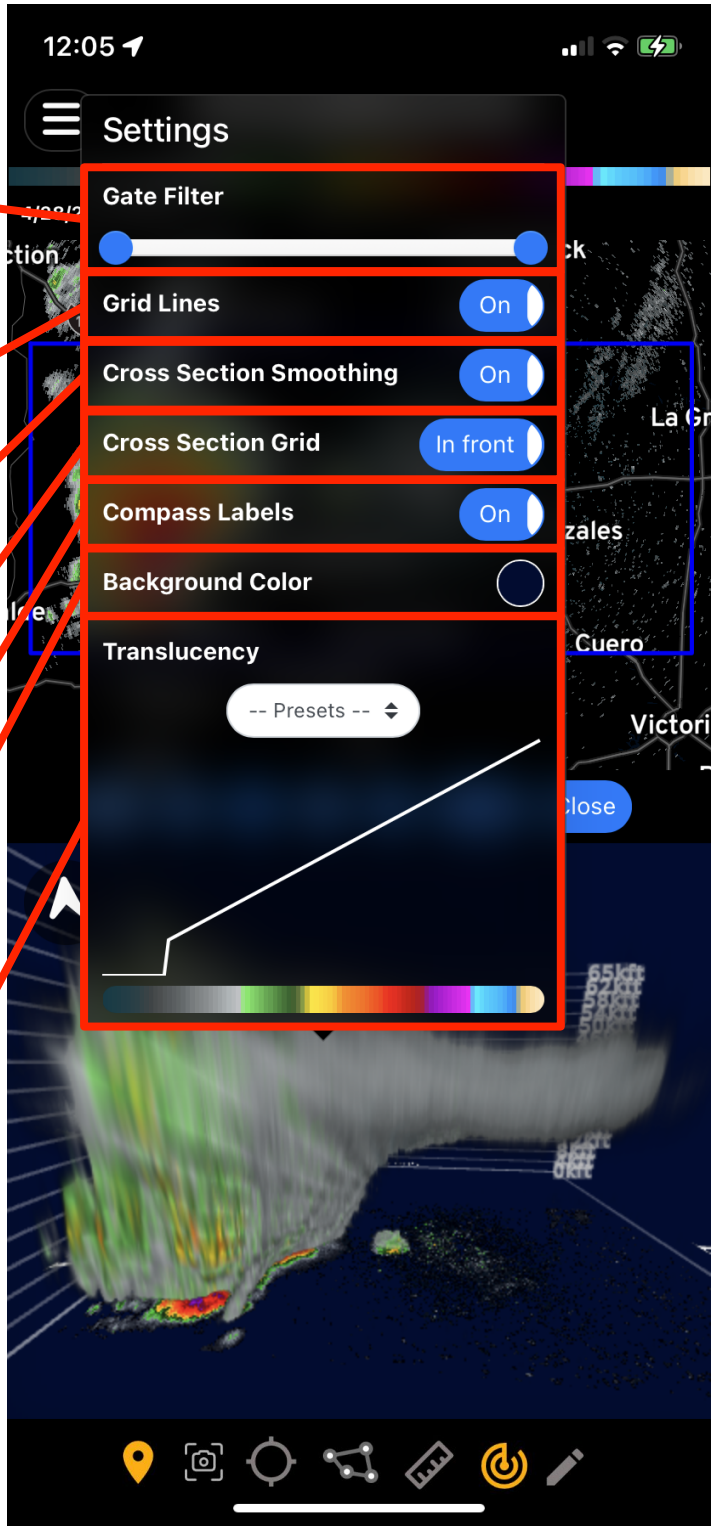
Smoothing toggle for cross section selections only

Places grid lines either in front of or behind cross section selection

Toggles compass labels in data viewer

Color selector tool used to change the background of the 3D data viewer

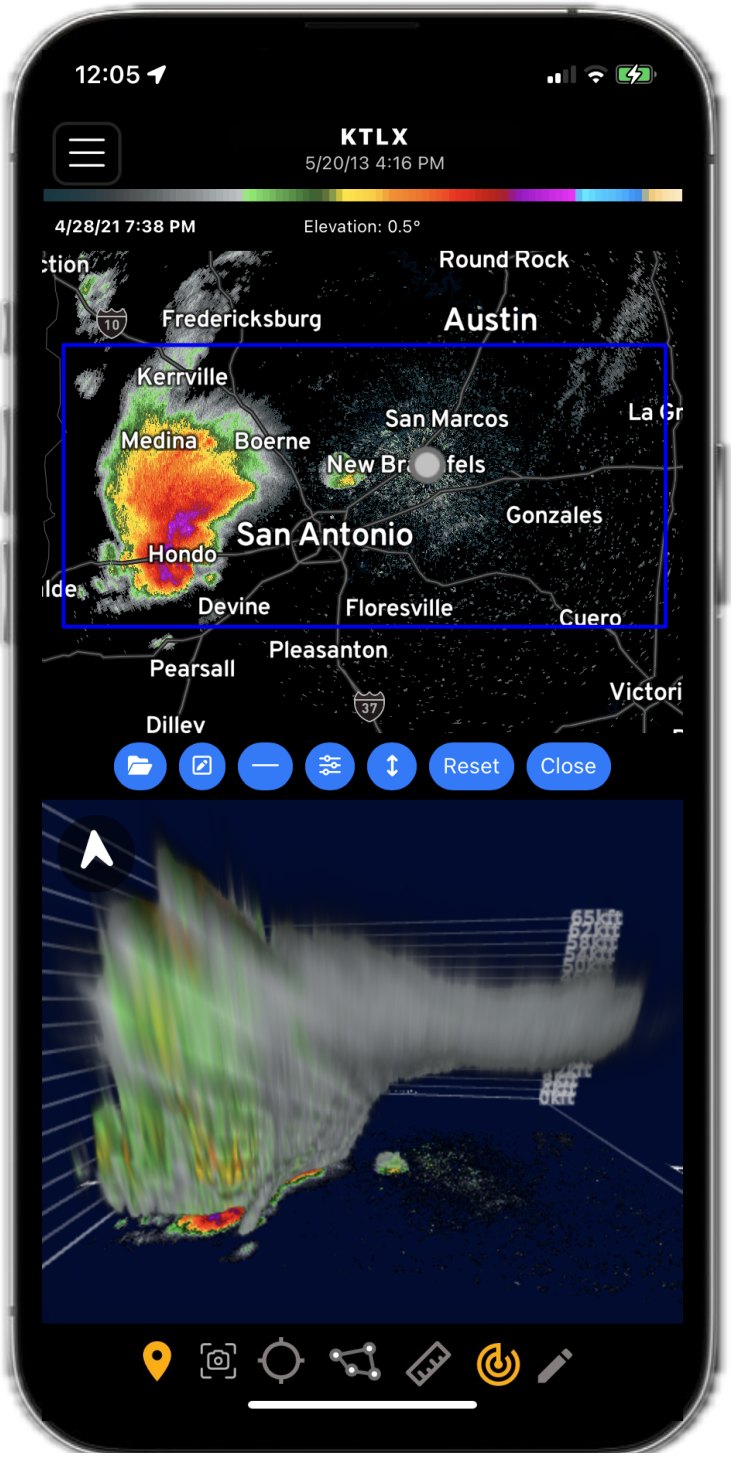
Adjust dBZ translucency. Choose from presents for Hail, Snow, or Hurricane, or create save your own.



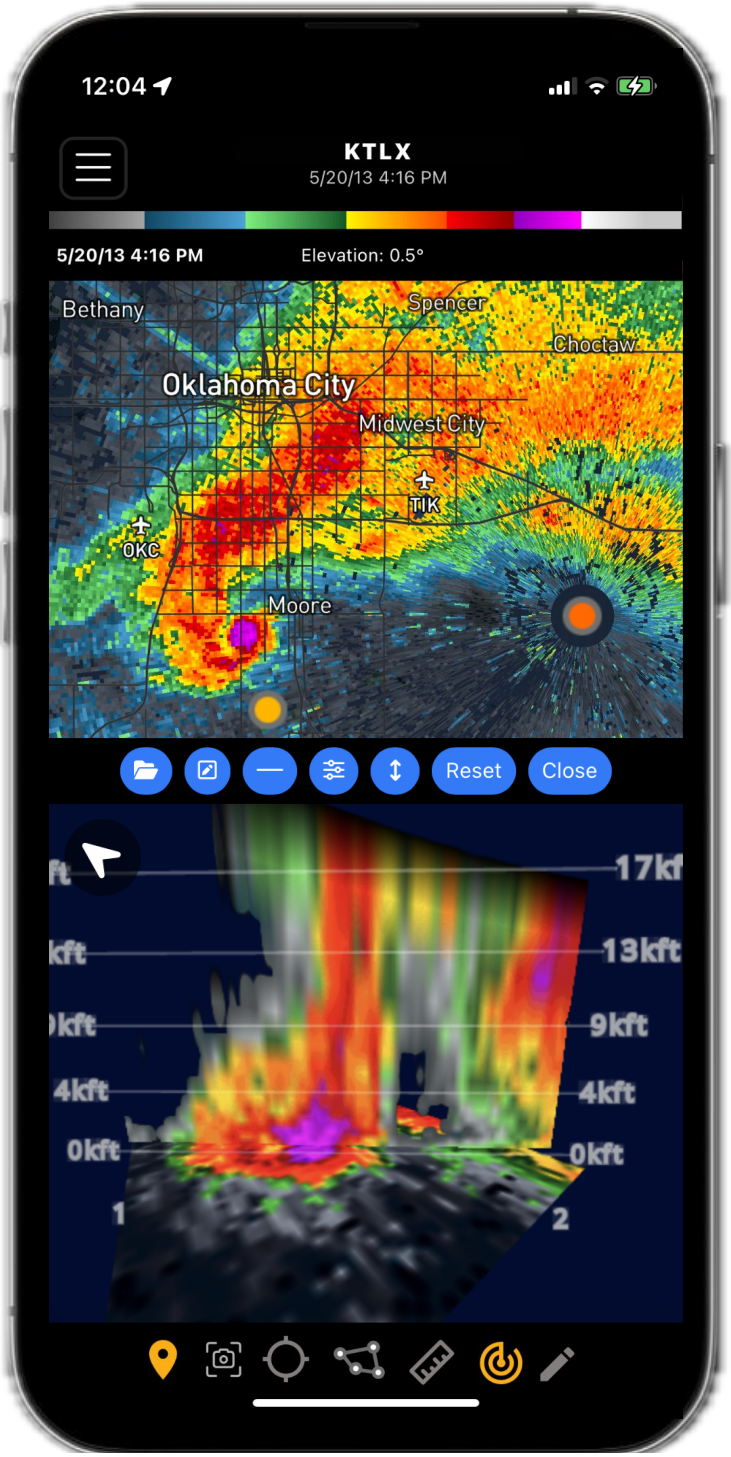
Single-Site Radar

Volumetric 3D Data[A]

Isolate a specific section of the volume by using either the box selector or the cross section selector tool:



Box Selector Tool Example

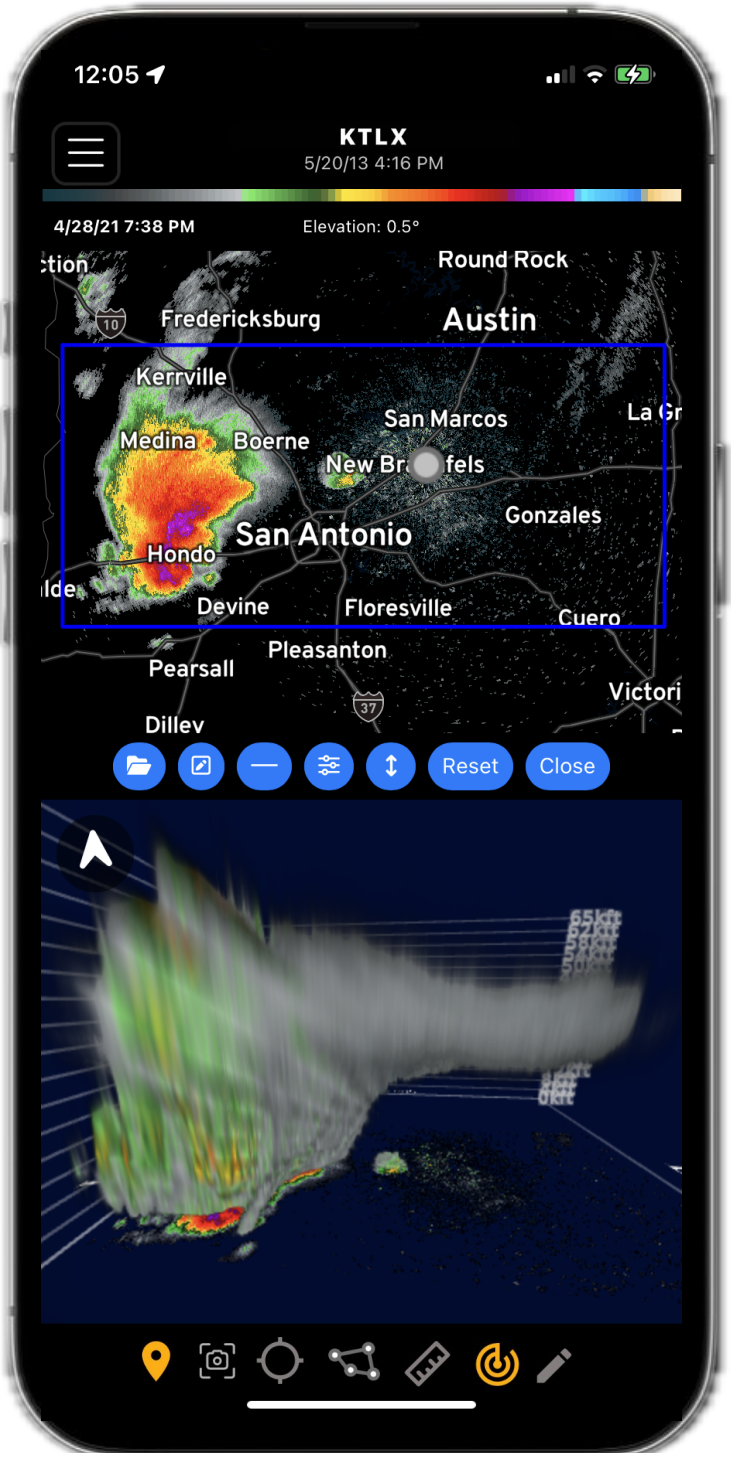


Cross Section Selector Tool Example

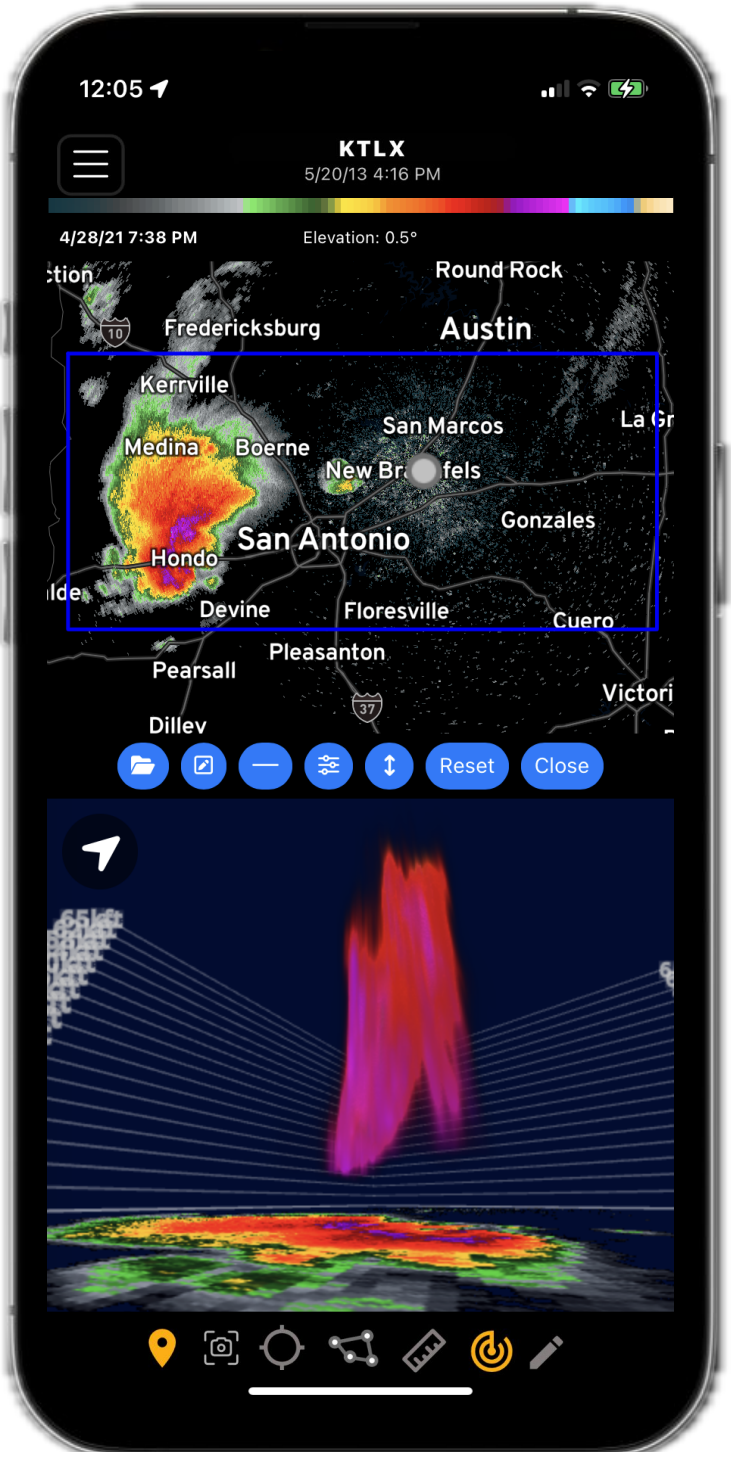
Single-Site Radar

Volumetric 3D Data[A]

Applying a translucency scheme helps to isolate dBZ values which are most relevant to what you're investigating:



Before applying "Hail" Translucency Preset



After applying "Hail" Translucency Preset

Single-Site Radar

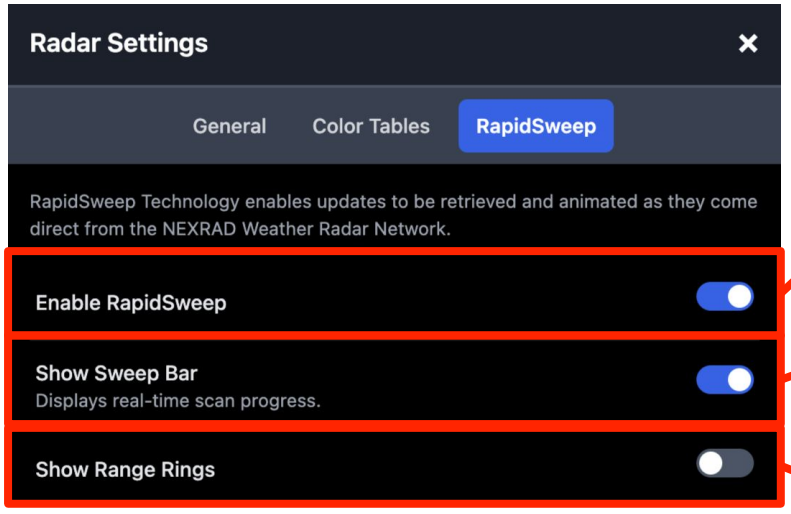
RapidSweep[RS]

RapidSweep allows the user to receive near real-time level 2 radar updates by displaying the radar scan to the user interface as the data comes in chunk by chunk while the scan is still in progress. Speed improvements range from 35 seconds to 2 minutes faster compared to other providers by using RapidSweep based on when data starts populating chunk by chunk. You'll see the sweep bar display as data for that elevation is coming in live. The RapidSweep bar **will not be continuously displayed** on the lowest tilt elevation since realistically, the radar is completing a full revolution one elevation at a time. RapidSweep gives a live representation of where the radar beam is located in real time.

RapidSweep is compatible with NEXRAD WSR-88D Radar sites only. Compatible products include Hi-Res Reflectivity, Hi-Res Velocity, Hi-Res Storm Relative Velocity, Hi-Res Correlation Coefficient, and Hi-Res Spectrum Width.

You can purchase RapidSweep by going to http://account.radaromega.com/ or from the "Manage Add-Ons" menu in the "Subscriptions & Add-Ons" section in the side menu of the RadarOmega mobile app. After purchasing the RapidSweep add-on, it can be enabled from the "RapidSweep" Tab in the Radar Settings menu.

Note: Enterprise users must purchase RapidSweep through their account manager.



Enables RapidSweep Updating

Toggles the Sweep Bar Display; If RapidSweep is enabled, it will still function normally if this is turned off

Toggles on Range Ring Display

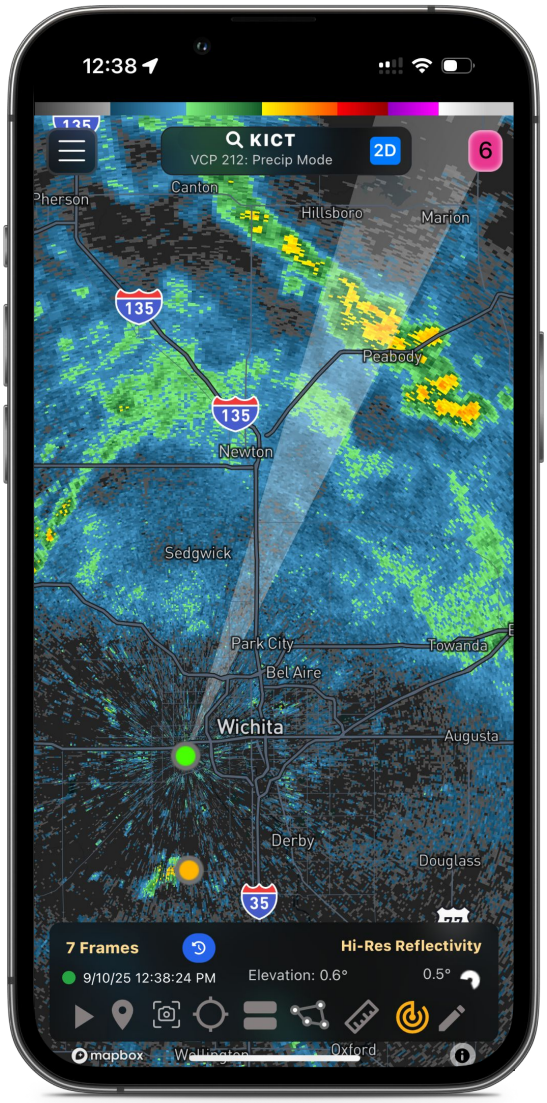
Single-Site Radar

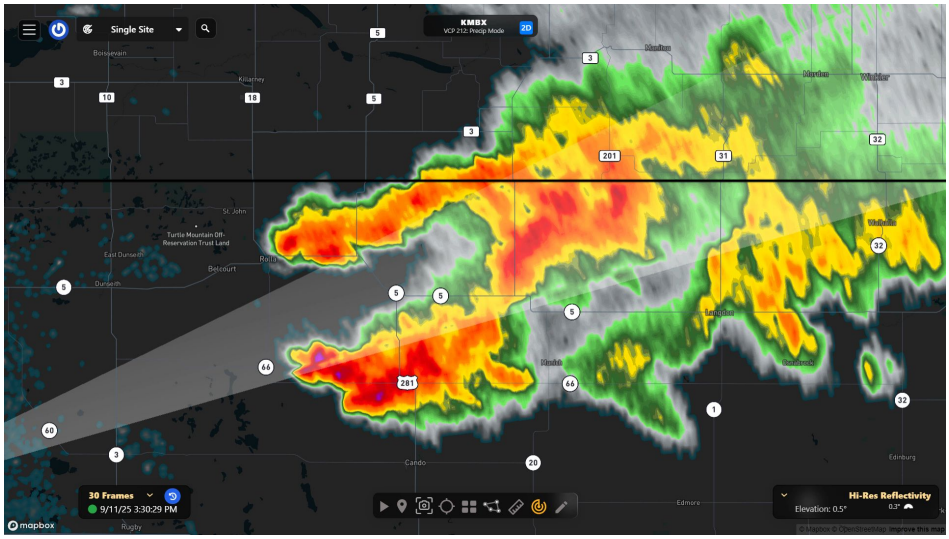
RapidSweep[RS]

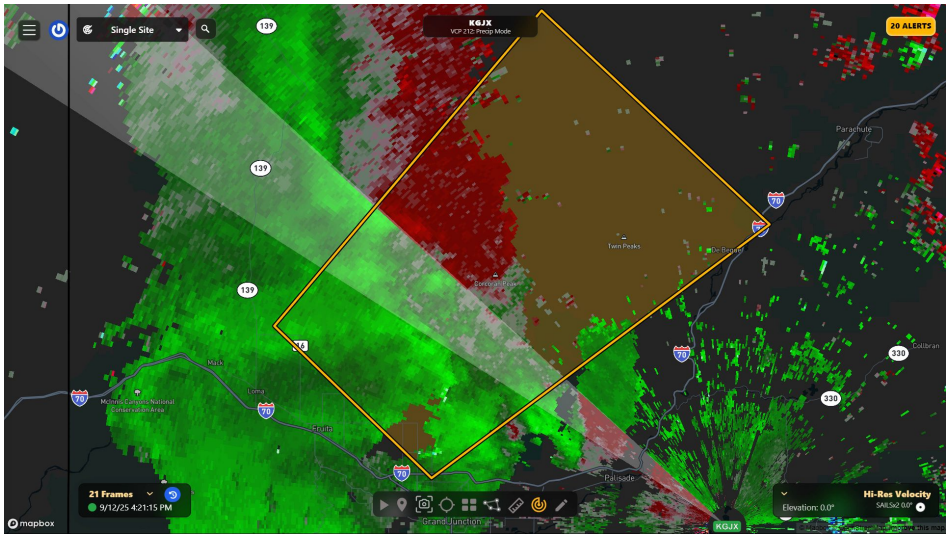
With RapidSweep enabled, radar data will update as the sweep bar moves around the radar site.

In the bottom right corner, underneath the product selector, you will see the current level that the radar is scanning at, along with a circle representing how much progress the radar has made scanning that level. The beam will **only be visible** when the radar is scanning the selected tilt level.



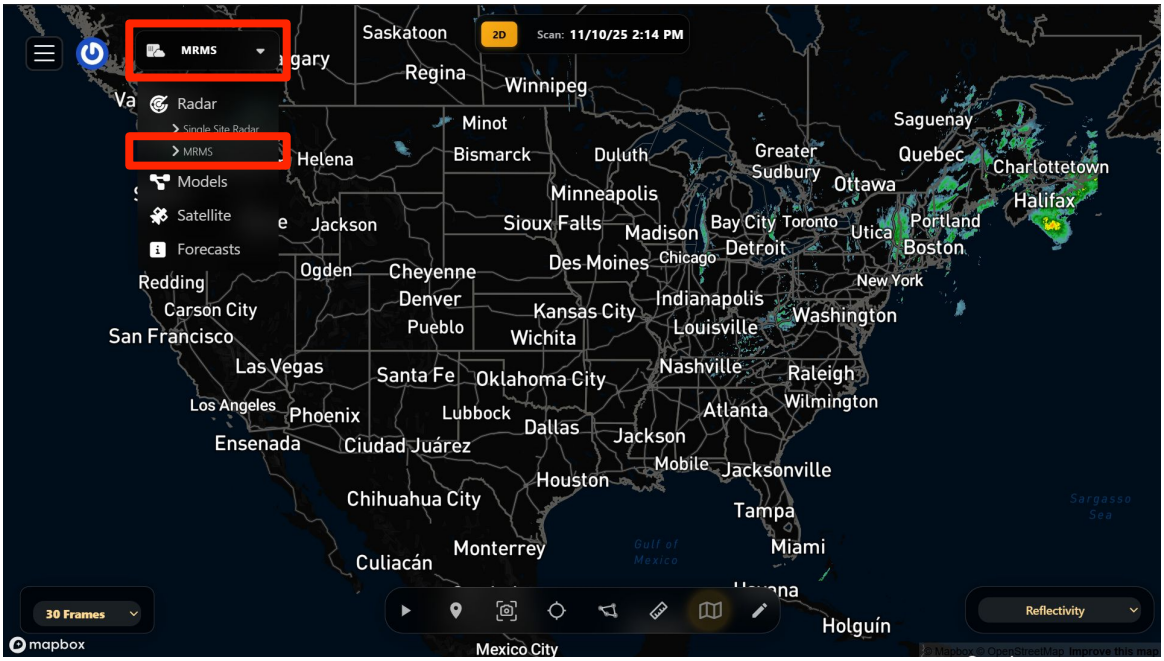




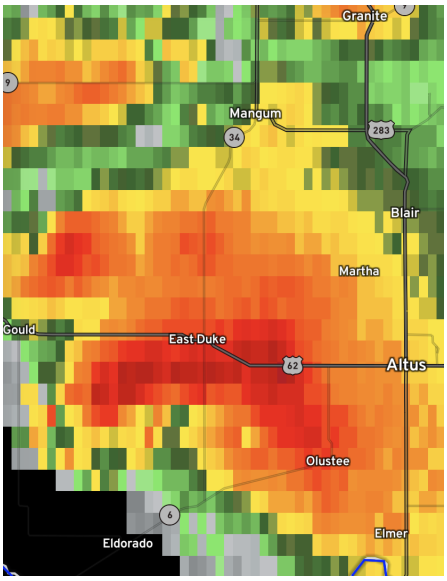


MRMS

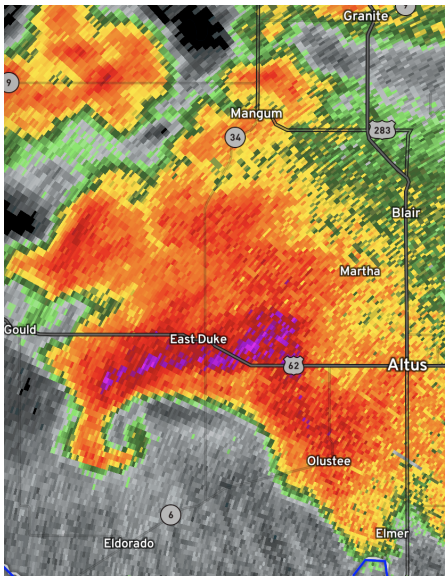
Access MRMS by changing the state of the app using the mode selector. Tap on the mode selector at the top of the side menu, then tap “Radar”, then “MRMS”. Multi-Radar/Multi-Sensor (MRMS) is a composite of radar data across North America which integrates observations and model data. When using MRMS, you will not have to select any radar sites - you will be able to see radar data across the CONUS and most of Canada. All users can access MRMS reflectivity.



Note that while MRMS is not limited by range like single-site radar data is, data resolution is slightly lower. Using MRMS, it is often difficult to identify storm-scale features like hook echos. MRMS is a great tool for understanding the big picture, while single-site radar data is ideal for understanding smaller scale details.



MRMS Reflectivity



Single-Site Radar Hi-Res Reflectivity

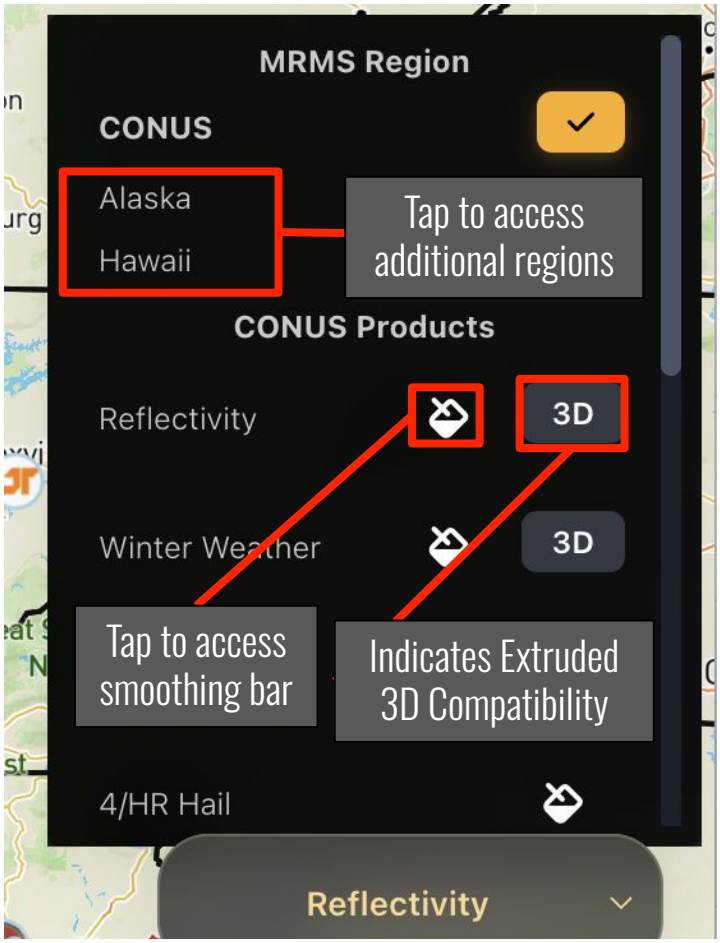
MRMS

MRMS has a different suite of products than single-site radar mode. While MRMS does not have products like hi-res velocity or hi-res correlation coefficient, it does have a variety of unique and helpful products, such as:

- 24/HR, 4/HR, 2/HR, and 1/HR Hail Swaths
- Current Hail
- 24/HR and 2/HR Rotation Tracks
- 2/HR and 30/MIN Lightning Probability
- Probability of Severe Hail
- Vertically Integrated Liquid
- 72/HR, 48/HR, 24/HR, 6/HR, and 1/HR Precipitation Accumulation

All MRMS products besides reflectivity are available to Beta and Alpha subscribers. Keep in mind that just like with single-site radar products, many of these products are purely **estimations**. Always consider other sources of information alongside radar-estimated products.

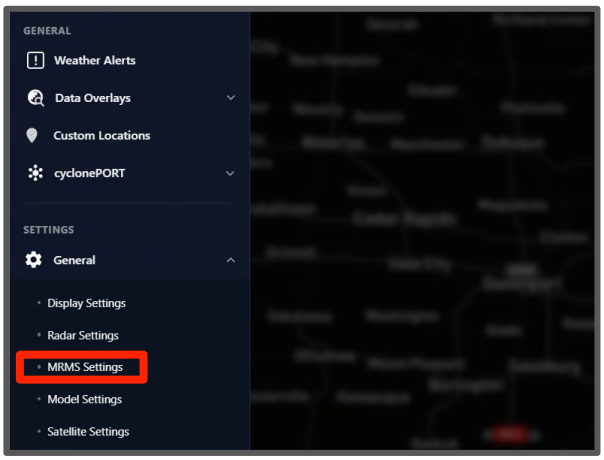
You can switch between MRMS products using the **product selector** in the bottom right corner. Certain MRMS products can be smoothed by tapping on the paint bucket icon and adjusting the smoothing slider bar. If an MRMS product is compatible with Extruded 3D, it will have a "3D" icon next to the product name in the product selector. You can enable Extruded 3D by tapping on the "2D" button in the **top menu** for compatible products.



The default MRMS region is CONUS, but regions for Alaska and Hawaii are also available. Select your desired region from the product selector.

MRMS

Settings - General

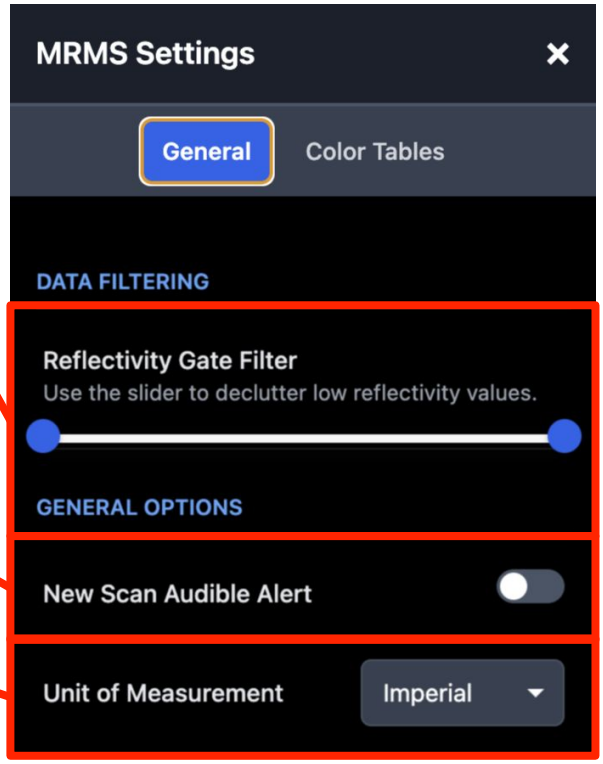


The MRMS settings menu, found under the "General" Tab in "Settings" section of the side menu allows the user to adjust settings pertaining to **MRMS only**. Single-site radar will not be affected by changes in this menu.

The reflectivity gate filter allows for manual decluttering. Drag the left-hand dot on this slider to the right to begin filtering out lower reflectivity values. Keeping the left-hand dot at or below 10 dBZ is recommended. Note that if both of these dots are all the way to one side of the slider, you **WILL NOT SEE RADAR DATA.**

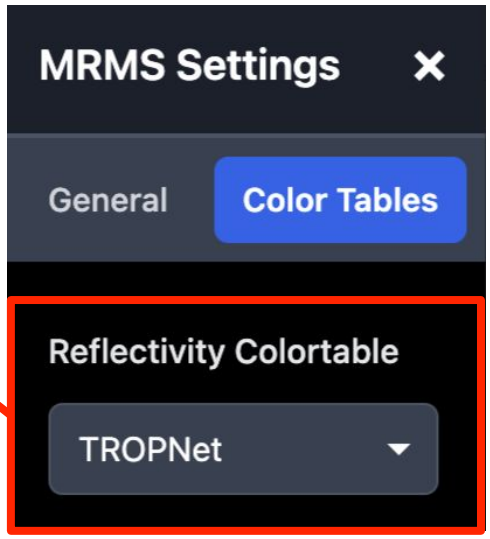
Option to play audible alert when a new MRMS scan comes in.

Option to change unit of measurement in MRMS between imperial and metric.



Settings - Colortable Settings

Switch between pre-loaded or custom colortables under the "Color Tables" tab of the MRMS Settings menu. Keep in mind that changing the colortable in the Radar Settings menu **will not** change the color table for MRMS - this must be done through the MRMS settings menu.



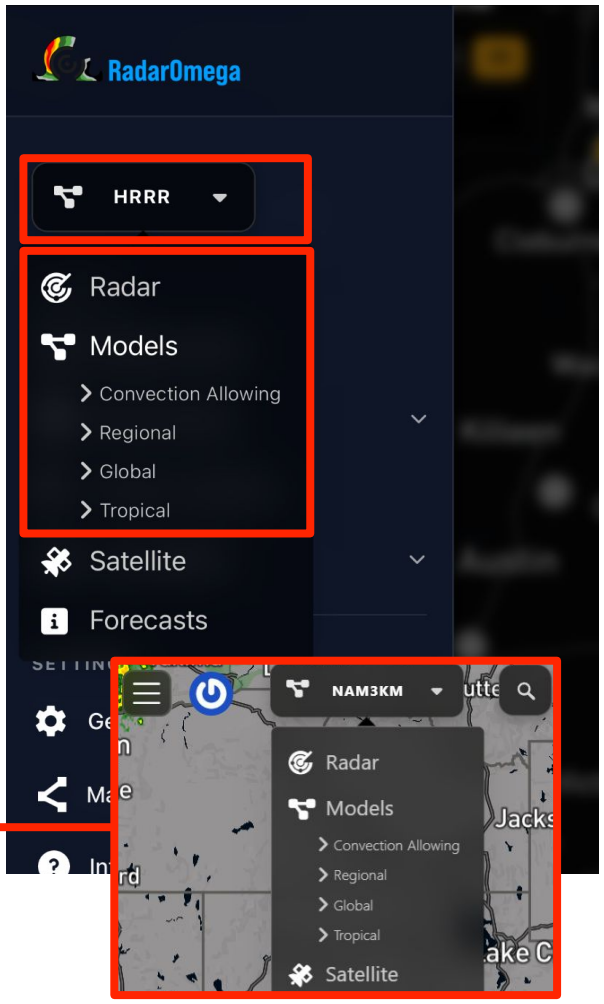
Models[A]

Access weather models by changing the state of the app using the mode selector. Tap on the mode selector button at the top of the side menu, then tap “Models”. There are four different types of models:

- Convection Allowing (HRRR and NAM3KM)
- Regional (NAM12KM and RAP)
- Global (GFS and ECMWF)
- Tropical (HMON and HWRF)

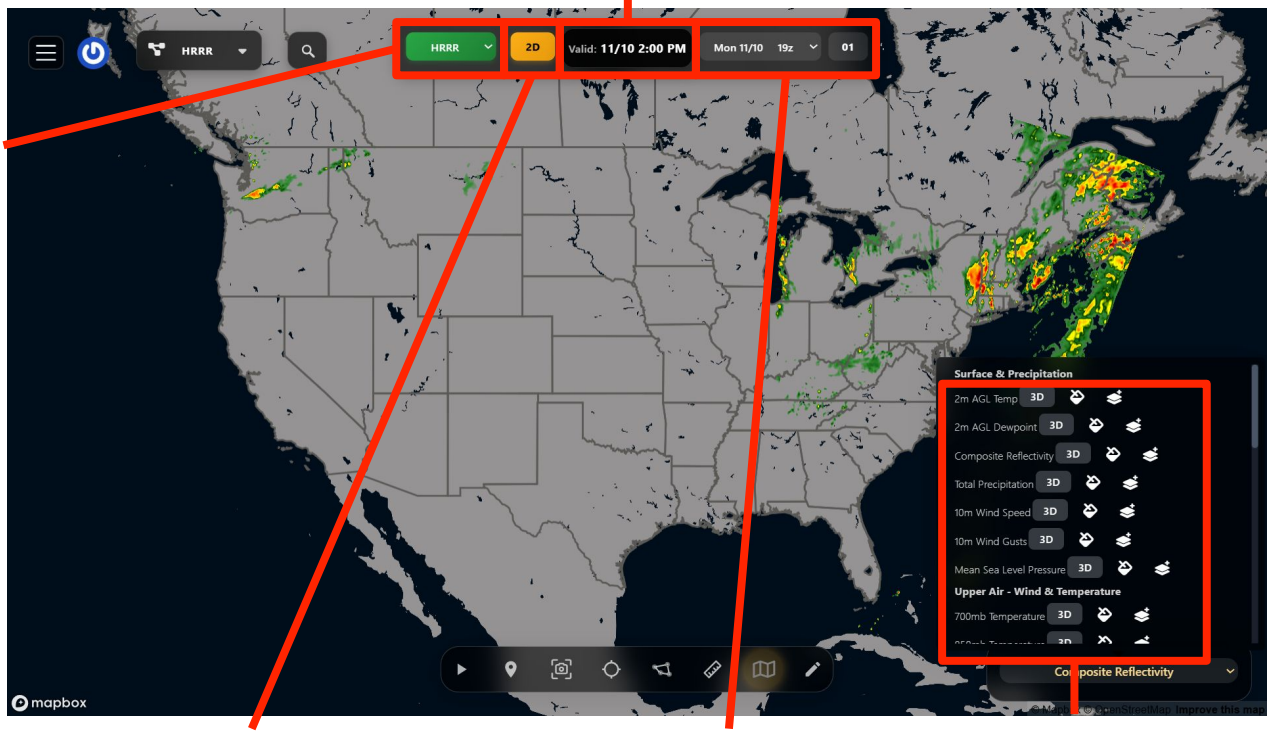
Choose one of the model types to expand the menu, then select one of the models.

The mode selector for desktop is located in the top left corner.



Frame validity date and time

Change the selected model



Option to enable Extruded 3D

Selected Model Run

Product Selector

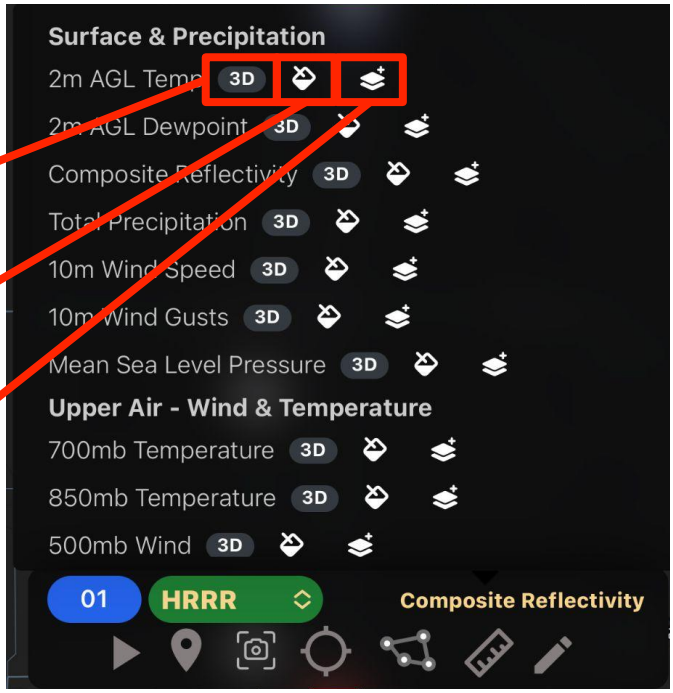
Models[A]

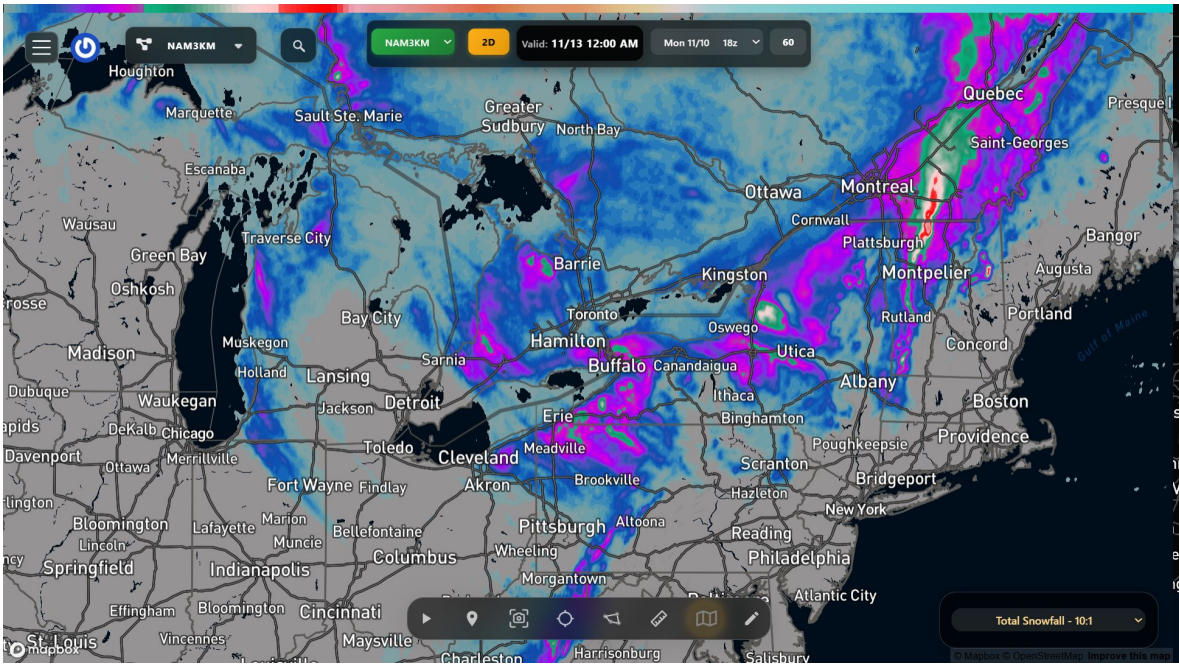
Model data can be customized in a variety of ways. From the **product selector**, you can choose to smooth the data by tapping on the paint bucket icon next to a product and adjusting the smoothing slider bar. You can also add up to two parameters as contours on top of the model data layer by tapping on the layer icon next to a product.

Indicates Extruded 3D Compatibility

Tap to access smoothing bar

Tap to access contouring options





Total Snowfall

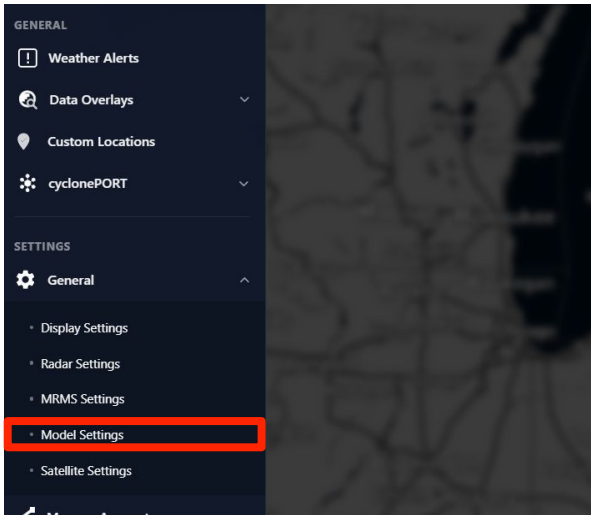


Composite Reflectivity

Models[A]

General Settings - Model Settings

The Model Settings menu can be accessed through "General" Tab in the "Settings" section of the side menu. Remember that changes made in this menu will only apply to models and model products - they will not apply to other states of the app.



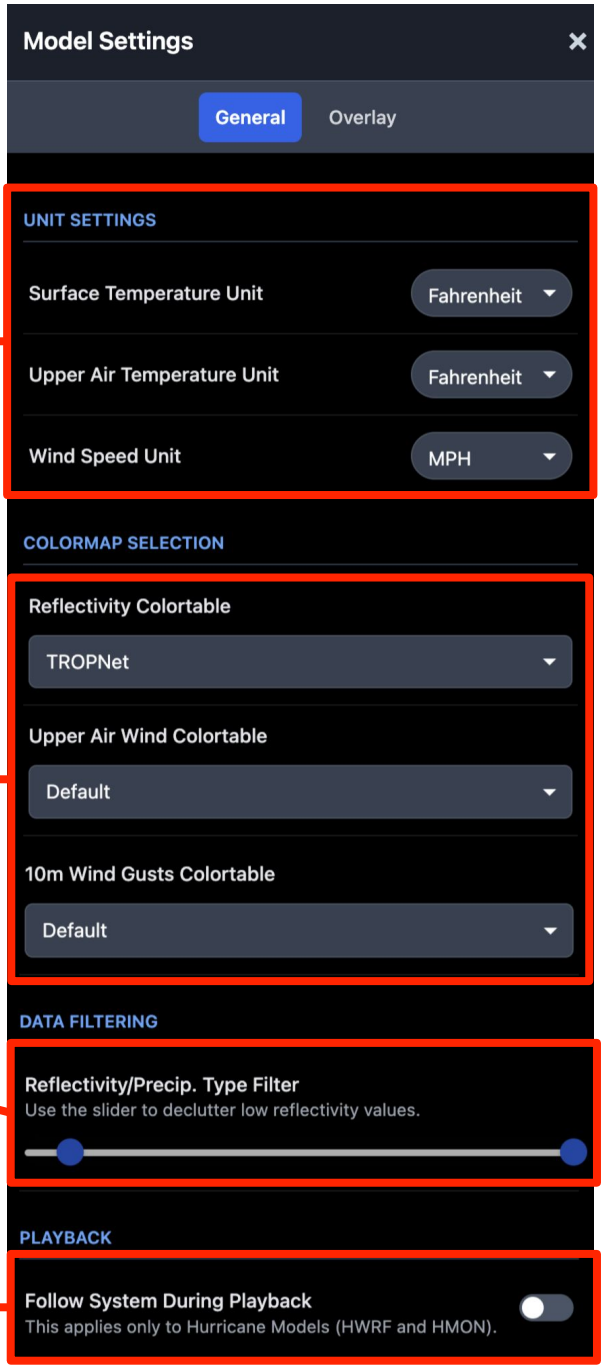
Options in the General tab of the Model Settings menu are used to:

Change the units of measurement used in various model products

Make changes to color tables for model reflectivity and wind speeds at different levels

Adjust the gate filter for composite reflectivity and precipitation type (this slider will apply only to Model reflectivity - not to single-site radar or MRMS reflectivity)

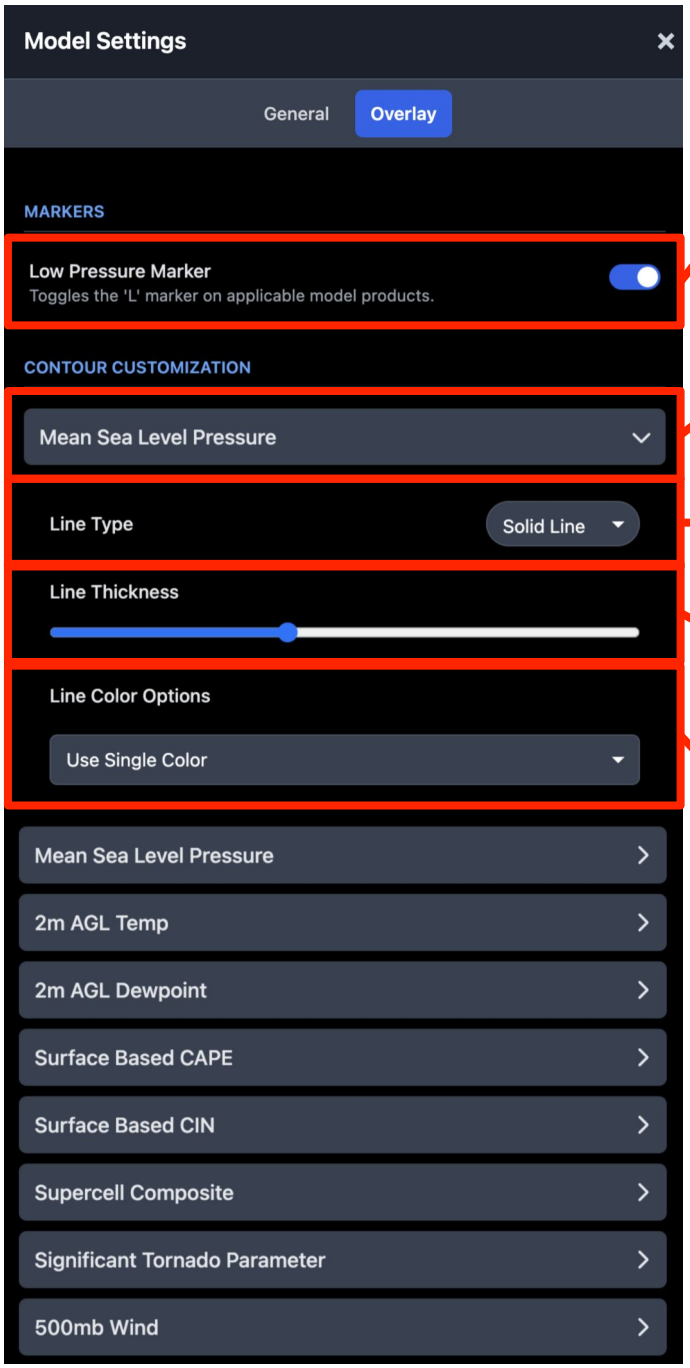
Follow systems during animation playback (for Tropical models only)



Models[A]

Model Settings - Overlay

The Overlay tab of the Model Settings menu allows you to make changes to the appearance of model contour lines.



When turned on, will toggle a low pressure marker at the center of a system when using tropic models.

Select a contour type to adjust its appearance settings

Change the appearance of the contour line between solid or dashed

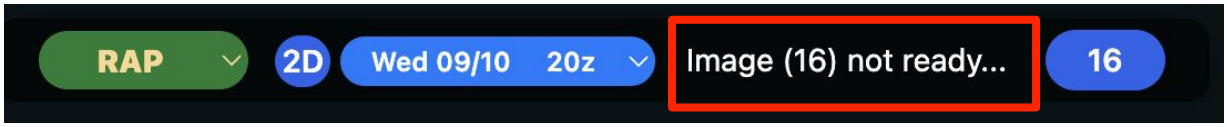
Adjust thickness of the contour line

Each contour line type has a unique built-in colormap. Choose between this colormap or a single color for each contour type.

Models[A]

"Image not ready" Message

When a new model run is initiated, it takes time to finish loading. Attempting to use a model run that has not finished loading will present you with this message at the top of the screen:

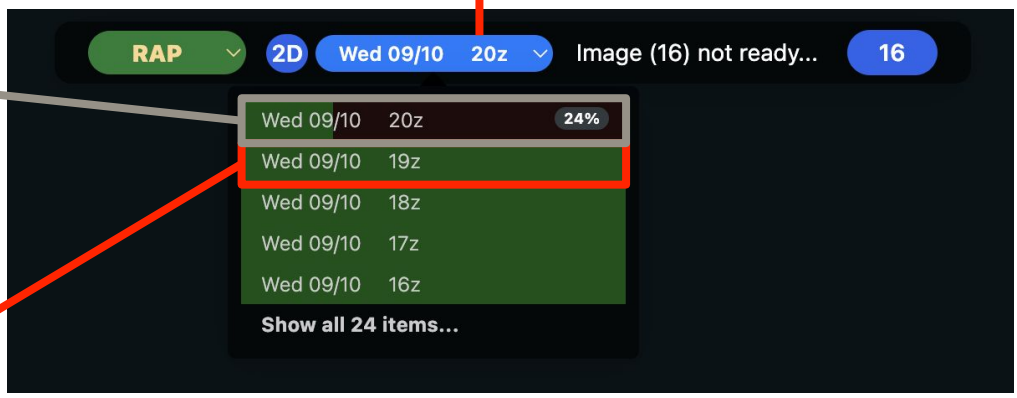


If this is the case, click on the dropdown menu just to the left. This box will have the date and time (in UTC) in which the current model run was initiated. Clicking on this box will reveal a drop down menu allowing you to select previous model runs. Select one of the previous model runs that is fully loaded.

Select this dropdown to access previous model runs.

Incomplete model runs will indicate how much has been loaded with a percentage.

Previous completed model runs can be selected below.



A note on model data: This is a tool that can be extremely valuable in getting a general idea of the timing and nature of weather in the near future, but use caution when interpreting model data. It's a bad idea to focus on very specific details, like the exact position of a single storm relative to a specific building 17 hours into the model run. Remember - model data shows what **could** happen, not what **will** happen.

Satellite[G][B][A]

Access satellite data by changing the state of the app. Tap on the mode selector button at the top of the side menu (top left corner for desktop users), then tap “Satellite”. Satellite imagery in RadarOmega is split into sectors, with each sector focusing on a different spatial region. Tapping on the **top menu** at the top of the screen in satellite mode will bring up a dropdown menu allowing you to change the sector.

There are two types of sectors: stationary sectors and mesoscale floater sectors. Mesoscale floater sectors are more spatially limited, but provide much higher data resolution. Their positions are not fixed and will frequently change. Stationary sectors cover a much larger area but have lower data resolution. Examples of storm-based sectors include the G19 and G18 Mesoscale sectors; examples of stationary sectors include the G19 CONUS and Full-Disk. Check out sectors covering areas of interest in North and South America, the Atlantic and Pacific Oceans, and eastern Asia and Australia!

Similar to other states of RadarOmega, you can change between satellite products by using the **product selector** dropdown menu in the bottom right. Choose between derived bands, like Geo Color and Fire Temperature, as well as visible bands, water vapor bands, and infrared bands. **Note: many of the ABI visible + near infrared satellite bands will not appear at night** as there is no sunlight to illuminate the cloud tops.

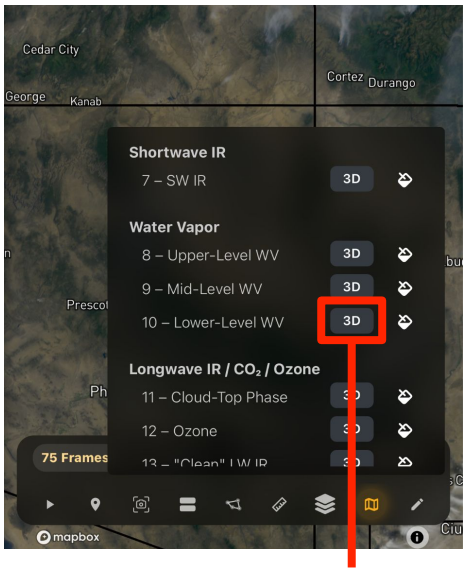




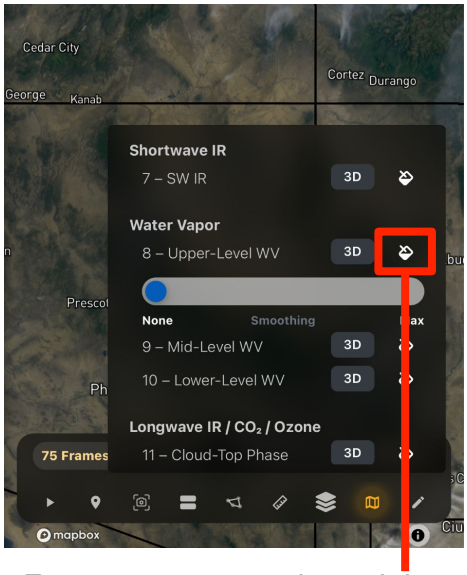
The satellite settings menu is found under the General Settings section in the side menu. In this menu, you will find an option to follow storm-scale sectors during playback, as well as an option to play an audible alert when new imagery comes in.

Satellite[G][B][A]

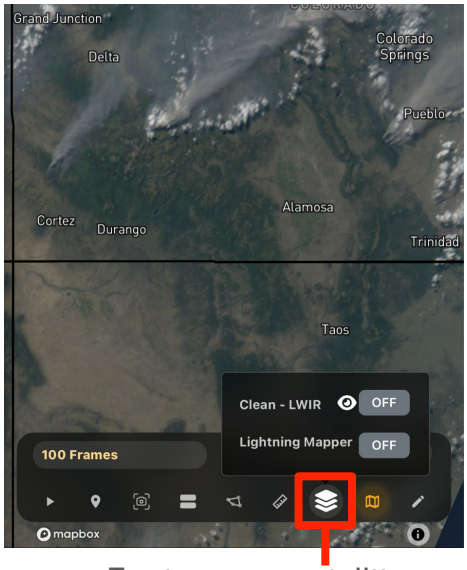
Many satellite bands can be smoothed and are compatible with Extruded 3D. To enable Extruded 3D mode, tap on the "2D" icon in the **top menu** at the top of the screen with one of these products selected. In the **product selector** dropdown menu, tap on the paint bucket icon next to a product to apply smoothing. In addition, Geostationary Lightning Mapper (GLM) lightning data and long-wave infrared satellite data can be layered on top of all products for most sectors. These can be enabled by tapping on the layering icon in the bottom menu and turning on their switches.



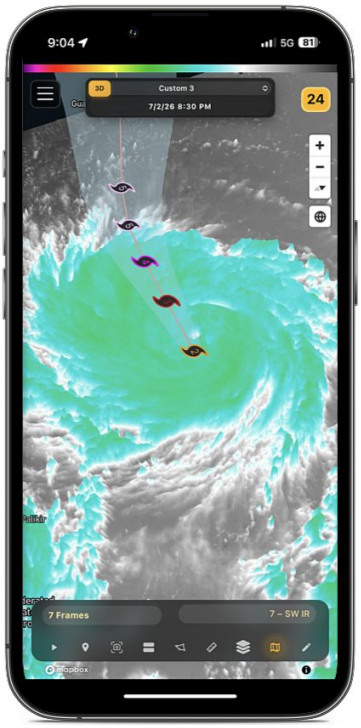
Indicates Extruded 3D Compatibility

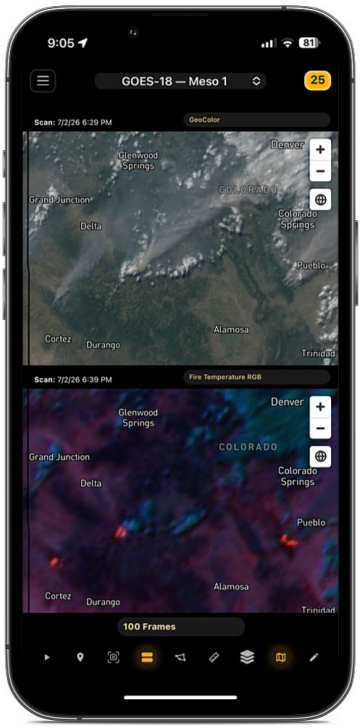


Tap to access smoothing slider

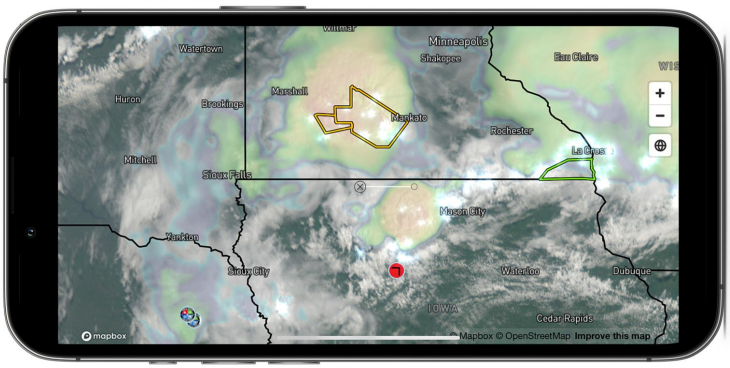


Tap to access satellite overlay options



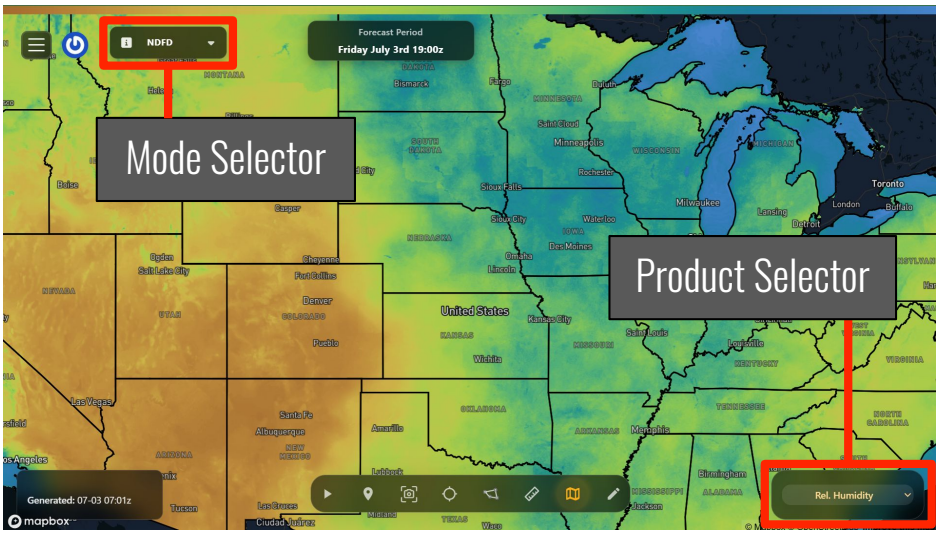


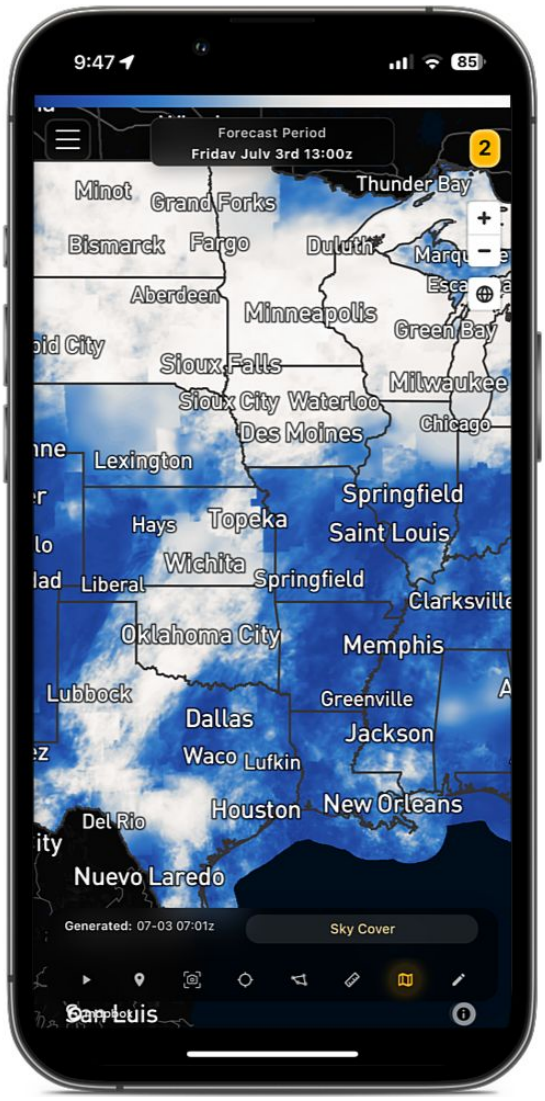


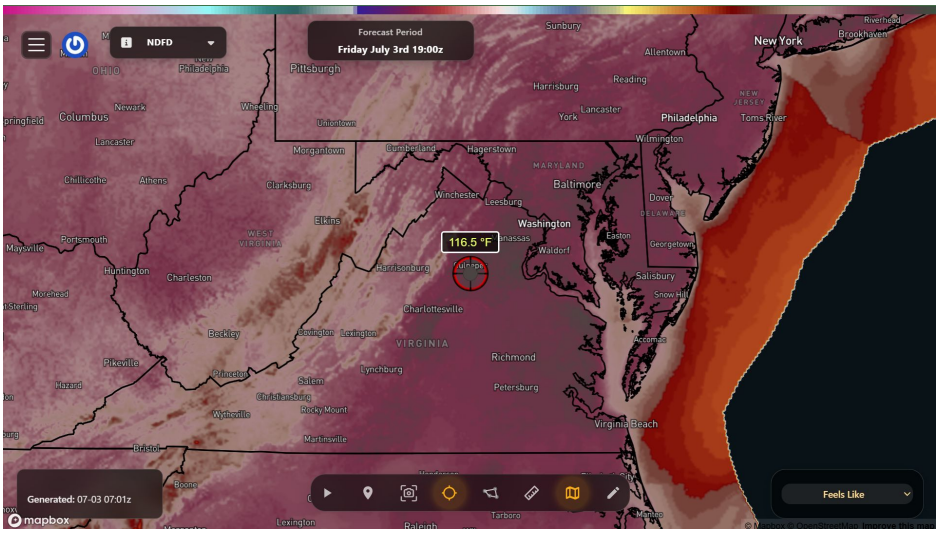


NDFD

Access NDFD data by changing the state of the app. Tap on the mode selector button at the top of the side menu, then tap “Forecasts”, then select “National Digital Forecast Database”. The National Digital Forecast Database is a collection of the data used by the National Weather Service to create regional forecasts. In RadarOmega, this data is compiled and displayed on the map. Available products include: Temperature, ‘Feels Like’ Temperature, Dewpoint, Relative Humidity, Wind Speed, Wind Gust, Sky Cover, Precip Probability, 6hr QPF, and 6hr Snowfall. Tap on the **product selector** to choose between different NDFD products, and tap on the paint bucket icon next to a product to access the smoothing slider bar for that product.



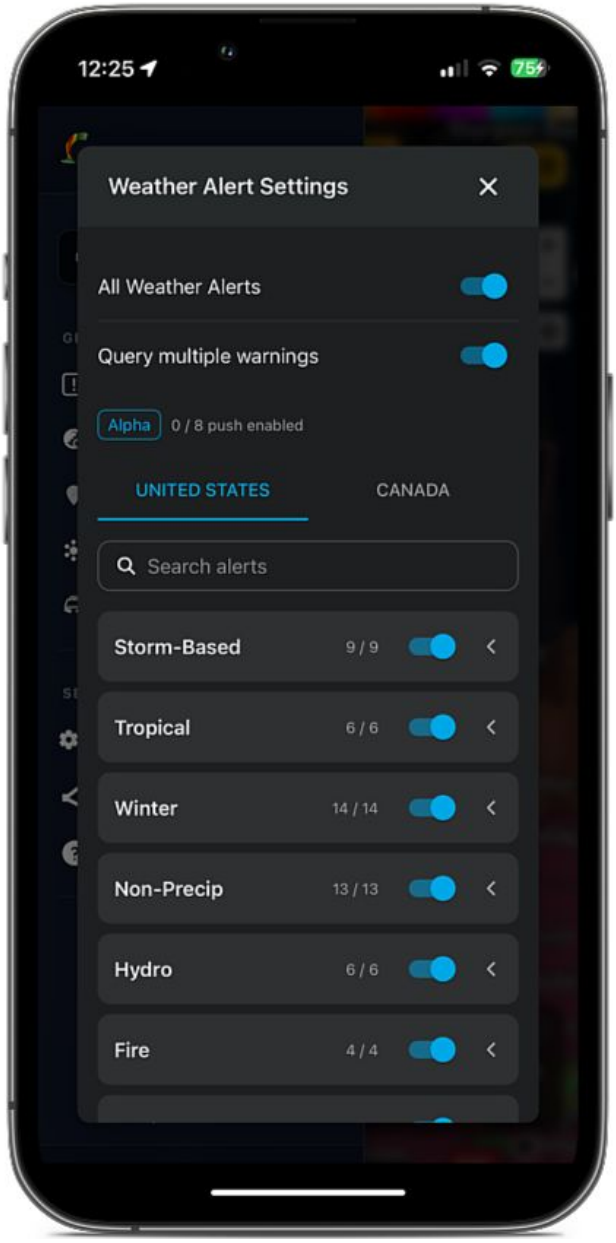




Navigating the Side Menu

Weather Alerts

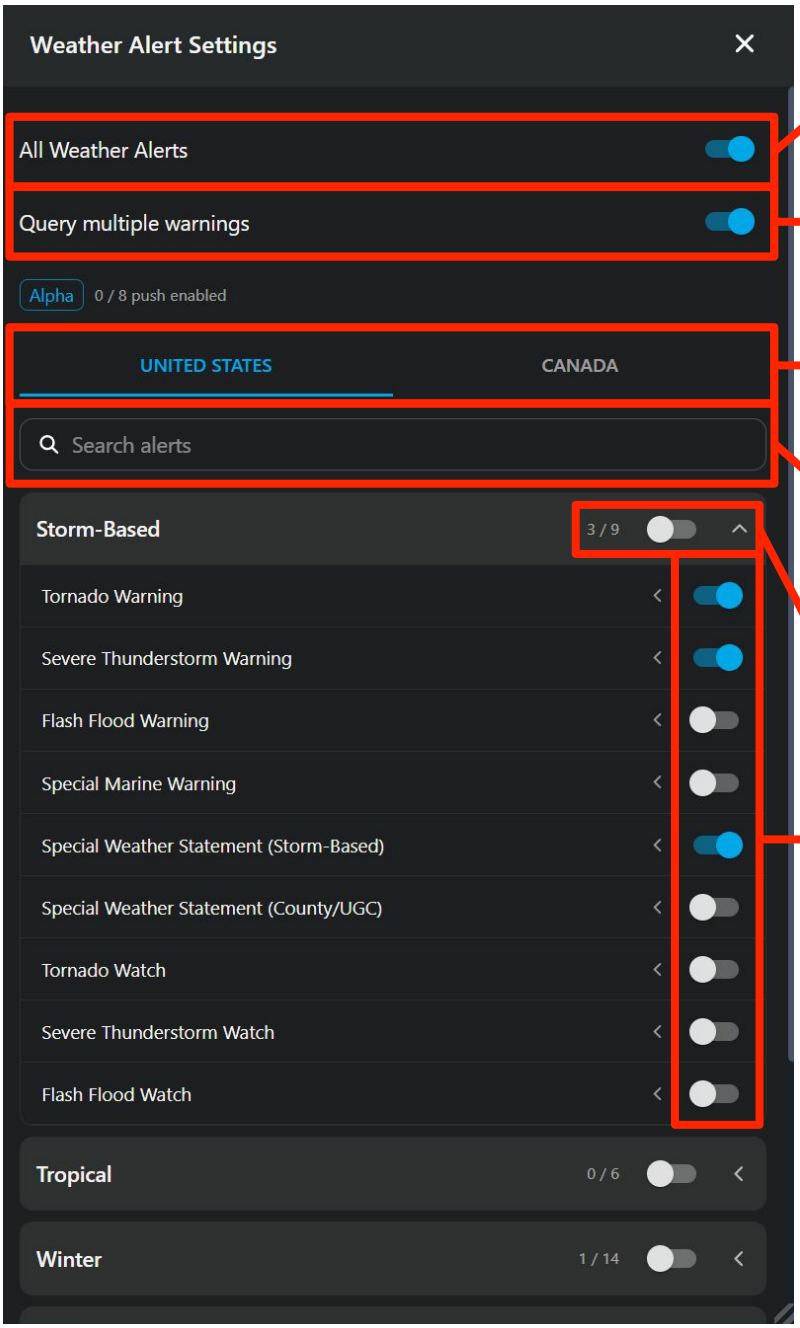
Make adjustments to which weather alerts you see on the map, what they look like, and configure weather alert push notifications.



Navigating the Side Menu

Weather Alerts

The Weather Alerts menu, found under the General section in the side menu, is where the user can adjust which watches, warnings, and advisories populate on the map. Push notifications and audible alerts for weather alerts can be configured through this menu.



Turns the Weather Alerts layer on/off. If you have several weather alerts enabled but cannot see them on the map, make sure this option is turned on.

If multiple weather alerts are issued on top of each other, turning this option on will allow all pop-up interfaces to appear when tapping on the alerts.

Weather alerts are available for the United States and Canada. To configure weather alerts for Canada, select the “Canada” tab.

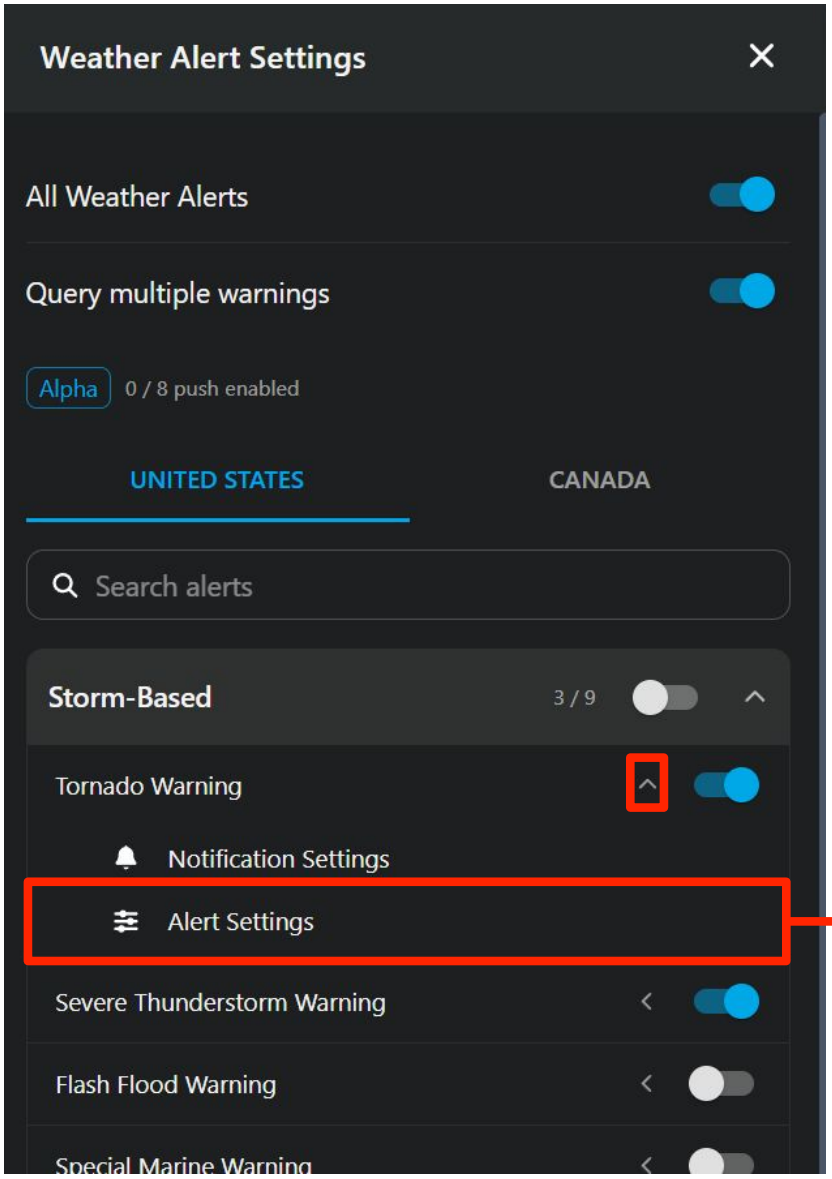
Search for specific weather alerts with this search bar. Note that this will be scoped to the selected country above.

Different types of weather alerts are separated into their respective sections. Use this master toggle switch to turn on all the alerts in that section, or expand the section and configure alerts individually.

Note: The master toggle will not appear as ‘On’ unless all alerts of that type are individually enabled. Even though that section’s master toggle may be ‘Off’, the individual alerts within can still be configured and will appear on the map.

Navigating the Side Menu

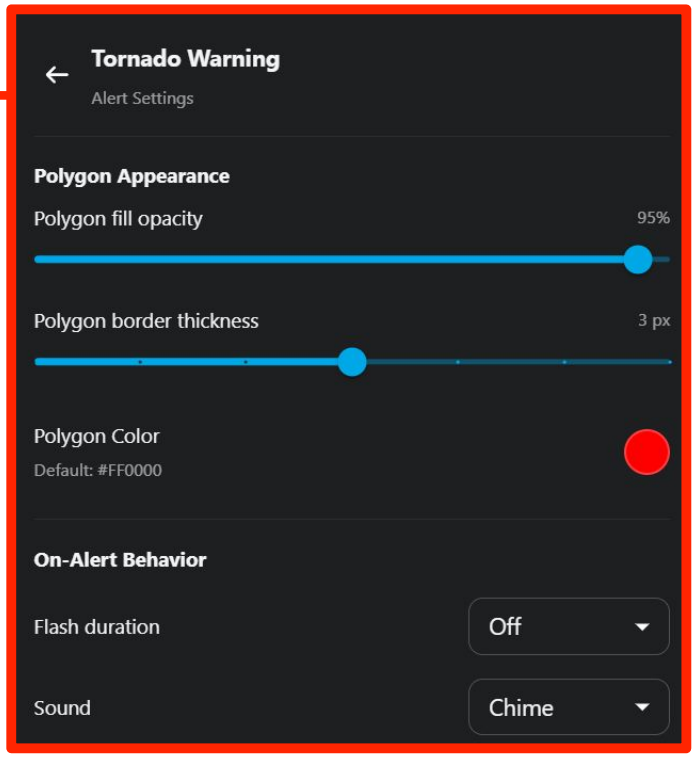
Weather Alert Settings



Settings for each alert type, like polygon color, opacity, and thickness, can be adjusted by tapping on an arrow next to a weather alert and selecting “Alert Settings”.

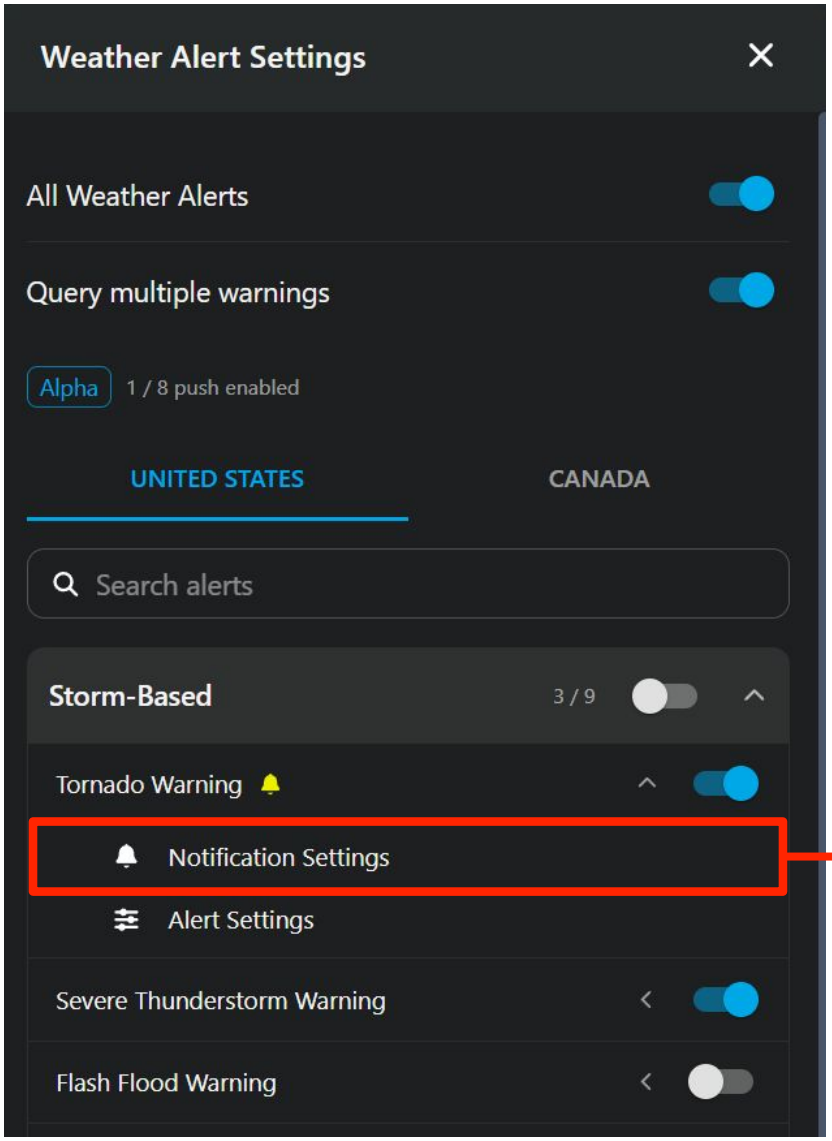
You can also configure audible alerts for each alert type, as well as preferences for polygon flashing, in this same menu.

For Tornado and Severe Thunderstorm Watches, aviation watch polygons can be found in their respective Alert Settings menus as well.



Navigating the Side Menu

Weather Alert Push Notifications



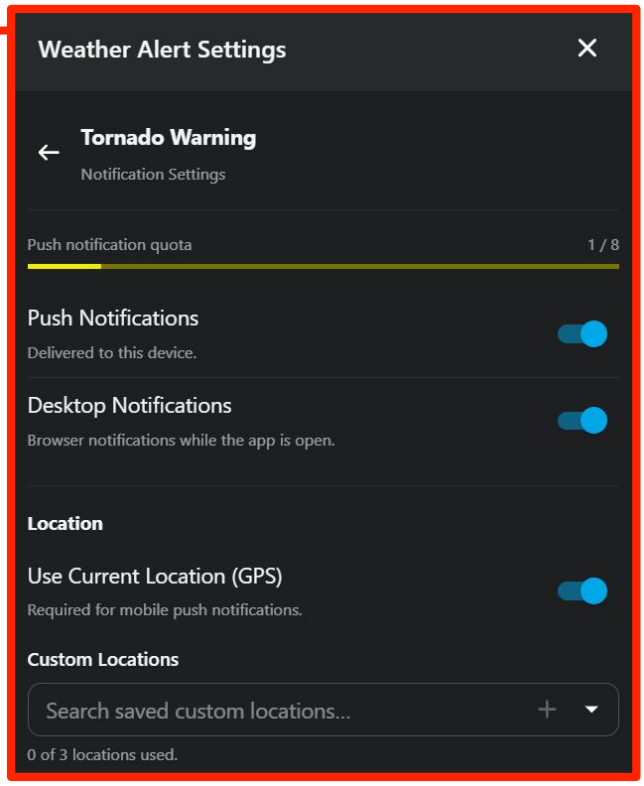
The number of remaining configurations is displayed at the top of the menu, as well as inside the Weather Alert Settings menu for a given weather alert.

Note: You must have push notification permissions enabled for RadarOmega in your device's settings.

Configure push notifications for an alert type by tapping the arrow next to the alert and opening "Notification Settings". **Important:** you must create a RadarOmega account to use this feature.

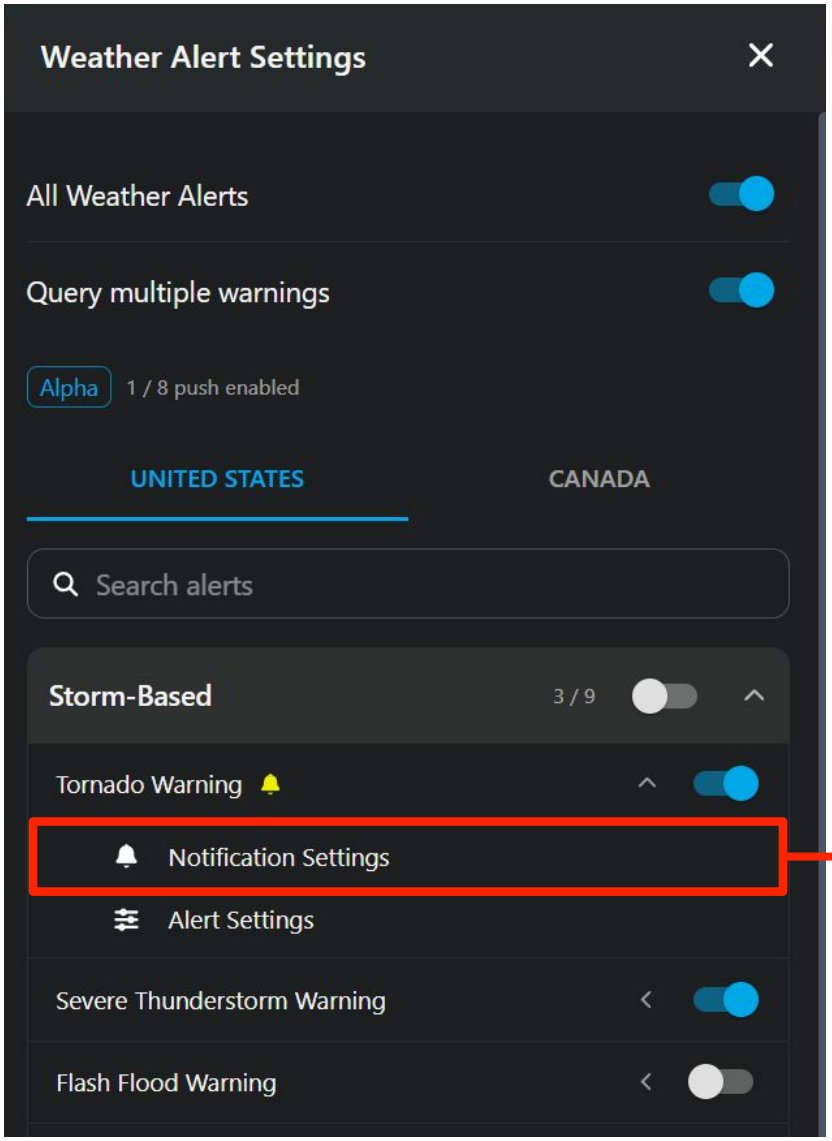
For mobile push notifications, enable "Push Notifications". If you have desktop access, you can enable desktop notifications by turning on "Desktop Notifications".

When push notifications are configured, a yellow bell will appear next to the alert.

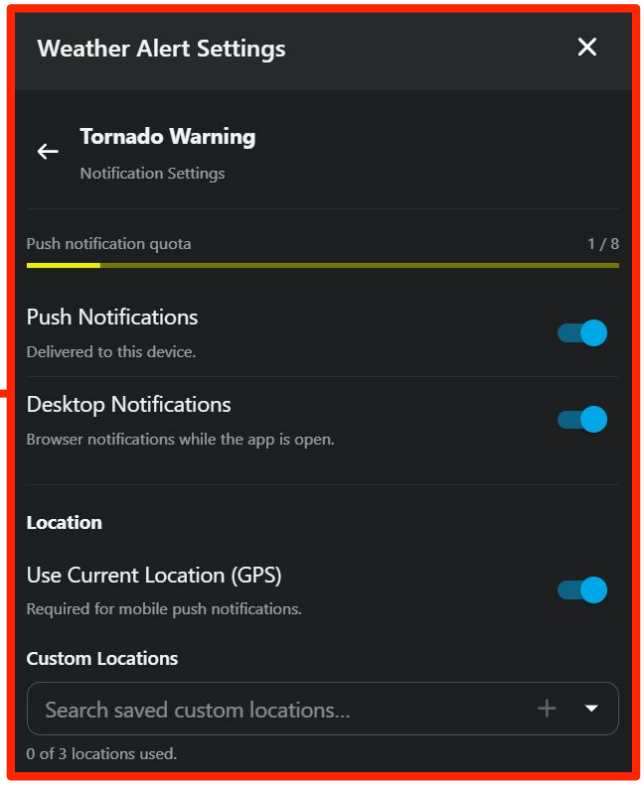


Navigating the Side Menu

Weather Alert Push Notifications



Under the Location Settings of the selected alert, enable "Use Current Location" to receive push notifications based on your current location. To receive alerts based on a custom location, enter the name of a custom location under "Custom Locations" (more info on custom locations on page 63).

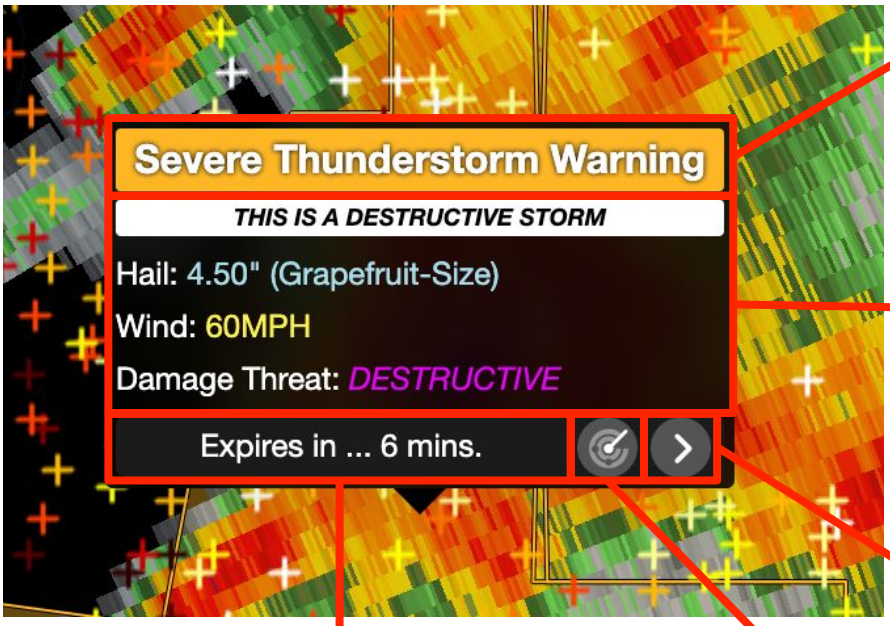


Weather alert push notifications are available for U.S. and Canadian weather alerts. Base application users can enable push notifications for storm-based watches and warnings using Current Location for the location setting. Gamma and Beta subscribers can enable push notifications for all weather alerts using Current Location for the location setting. Alpha subscribers can enable push notifications for all weather alerts using both your Current Location and custom locations as the location settings. Up to 3 custom locations can be enabled for a single weather alert to receive push notifications.

Navigating the Side Menu

Weather Alerts

Weather alerts will appear on the map as polygons. Tapping on a polygon will display a popup interface with information about the weather alert. Double-tapping the polygon will close it.



Alert type will be displayed here

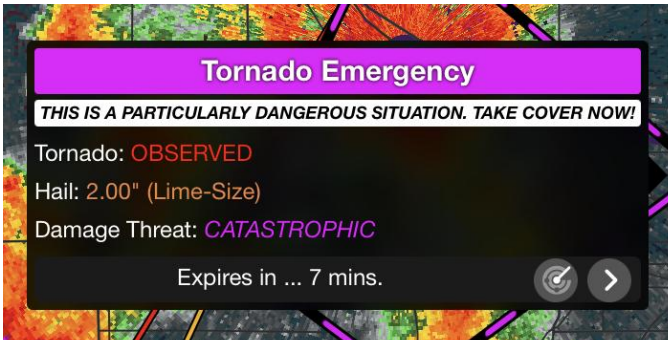
Information on the threats posed by the alert will display here, if applicable. If the threats warrant a "considerable" or "destructive" tag based on NWS criteria, this will appear here as well.

Tap here to read the full alert text

Time until the alert expires will appear here

Tap here to automatically select the closest radar site (when using single-site radar mode)







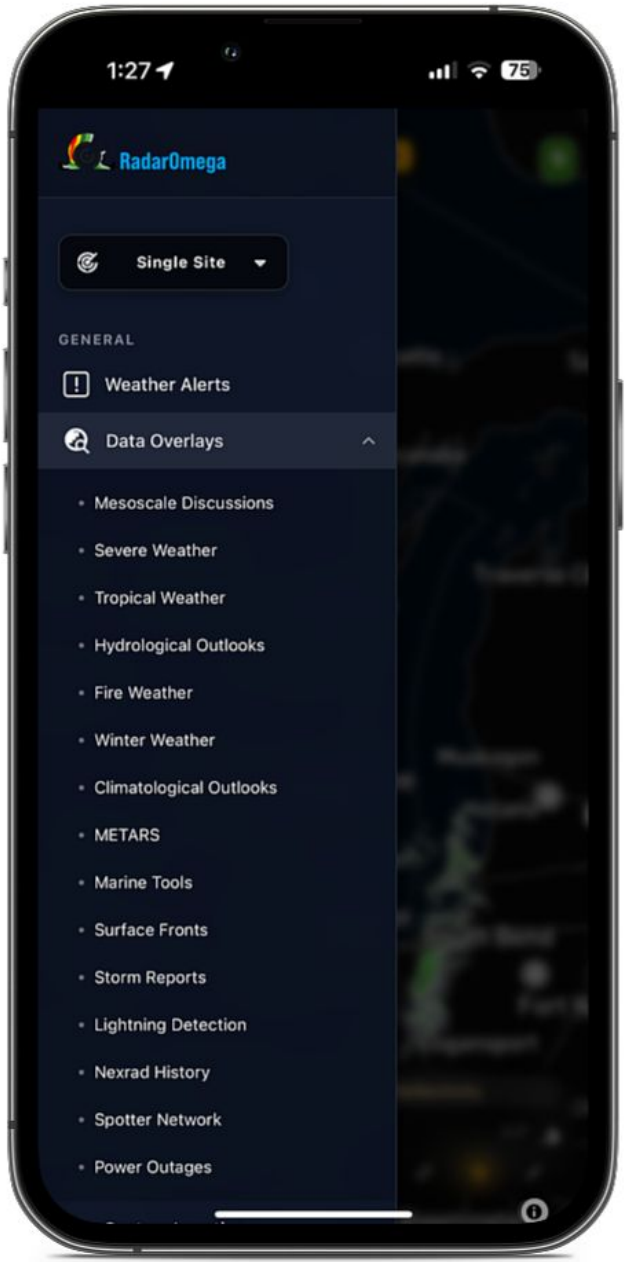


Appearances of various other weather alerts in RadarOmega

Navigating the Side Menu

Data Overlays

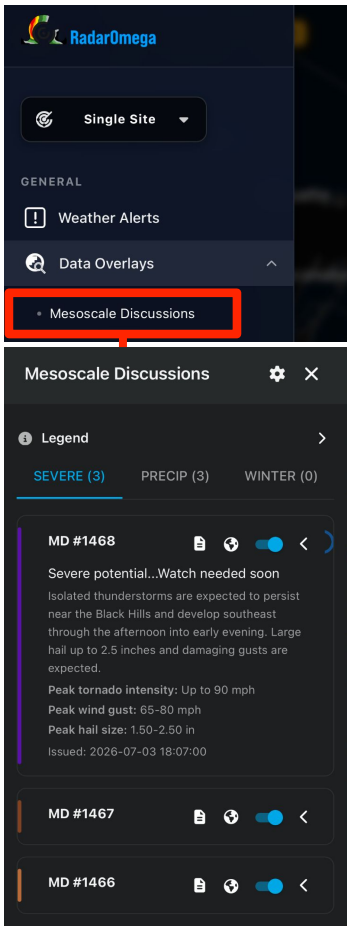
The Data Overlays section is where you will find toggles for several different data layers including outlooks, METARS, storm reports, and much more.



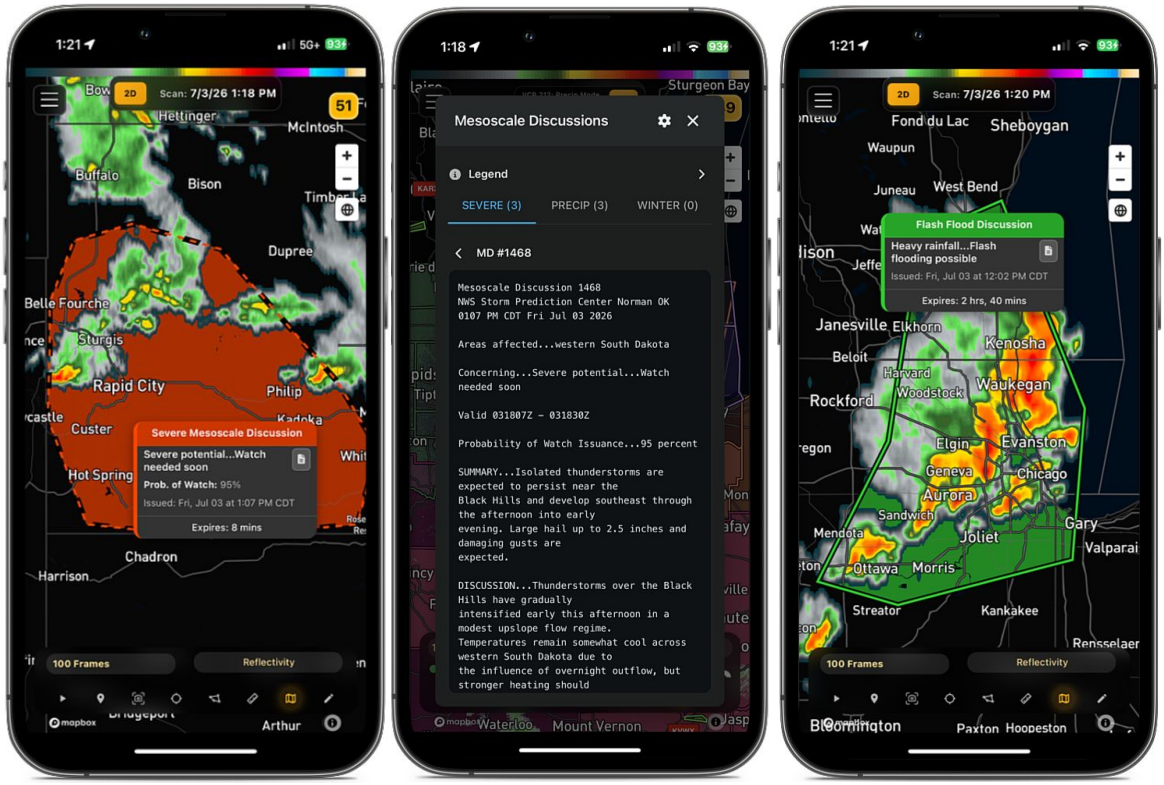
Navigating the Side Menu

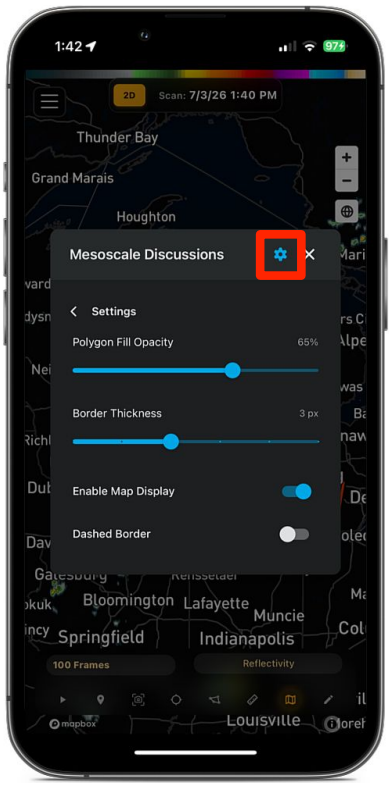
Data Overlays - Mesoscale Discussions

Mesoscale discussions pertaining to severe weather, winter weather, and heavy precipitation can be individually toggled on in the Mesoscale Discussions menu. For more information about the different kinds of mesoscale discussions, tap on the “i” Legend icon.



In the Mesoscale Discussions menu, tap on the arrow next to a discussion to preview it. Tap on the globe icon to fly to the discussion on the map. Tap on a mesoscale discussion polygon to see more details about the discussion, or tap on the paper icon in the pop-up to read the entire discussion.



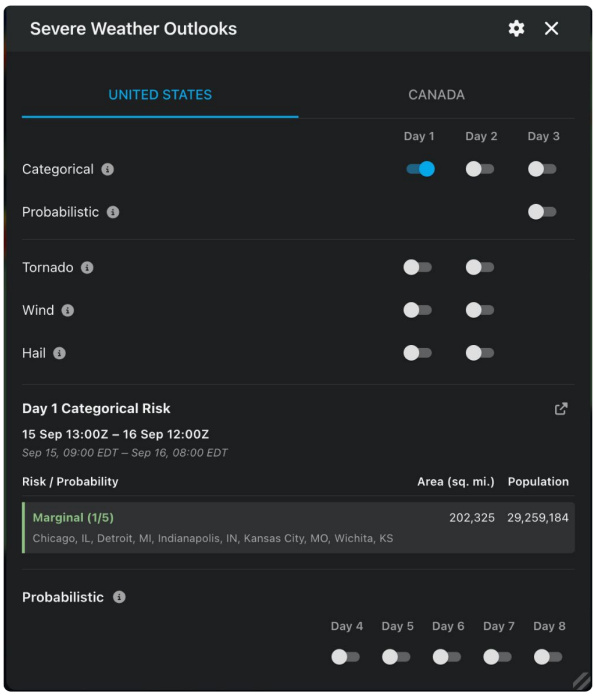


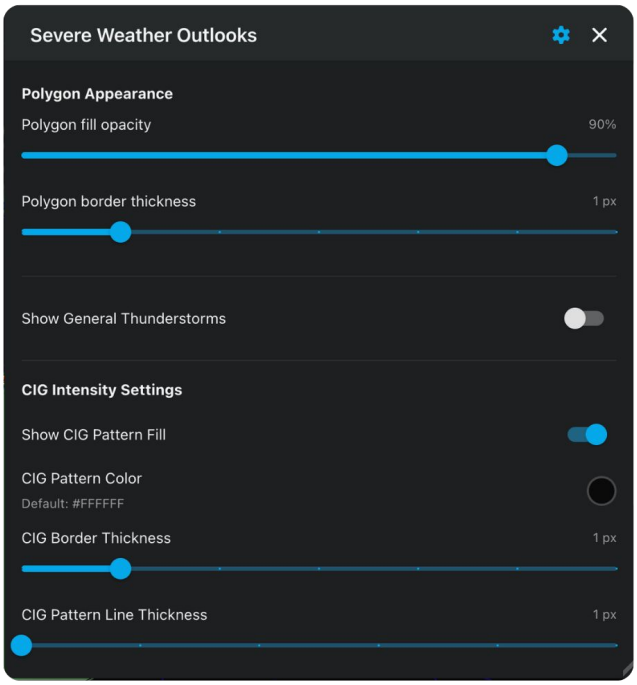
Tap the gear icon in the top right to open the mesoscale discussions settings menu. Note that the “Enable Map Display” option must be turned on in order to see discussions on the map, even if they are individually toggled on. Some customization options are also available.

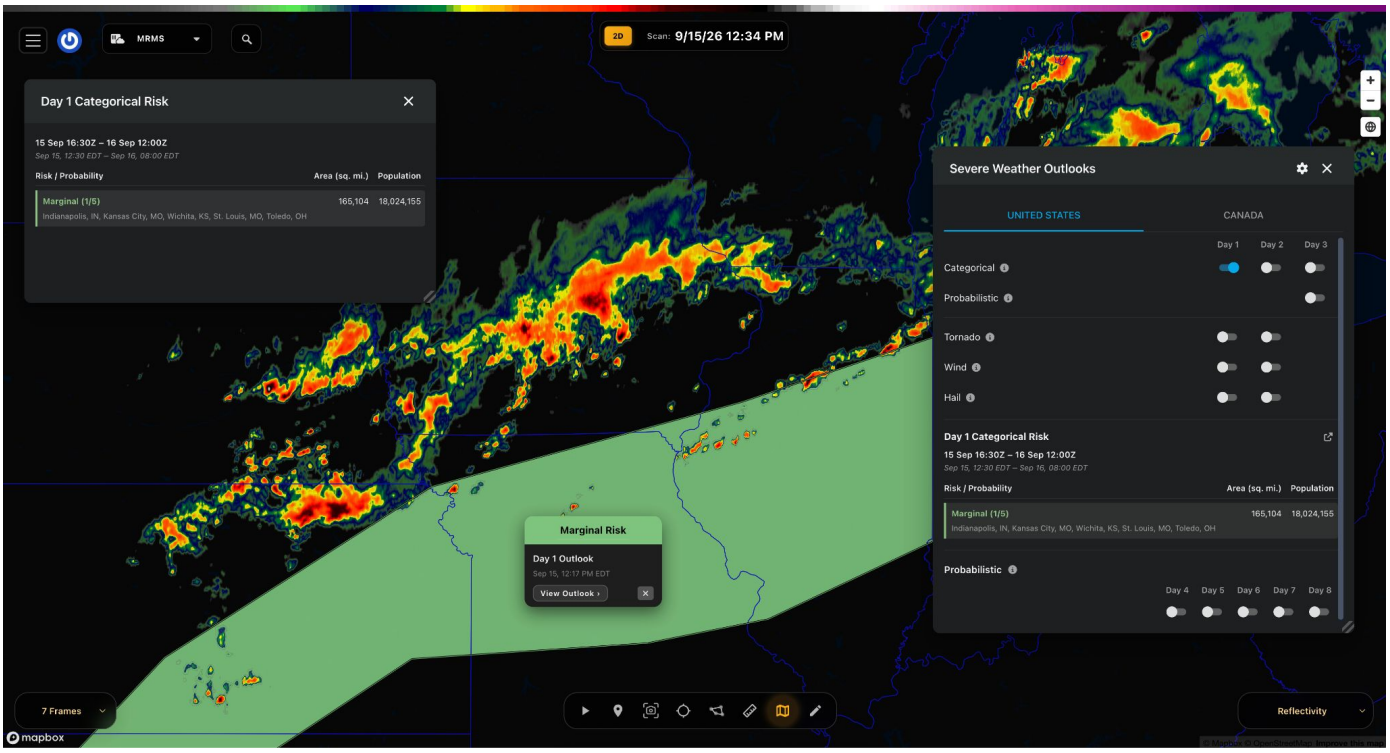
Navigating the Side Menu

Data Overlays - Severe Weather (United States)

Convective outlooks from the Storm Prediction Center can be enabled for days 1-3 in the first tab. Days 1 and 2 also include breakdowns for tornado, wind, and hail outlooks, and day 3 includes a probabilistic outlook. Severe weather outlooks for days 4-8 can be found in the "Probabilistic" section below. Tap the "i" icon next to the product To learn more about it.



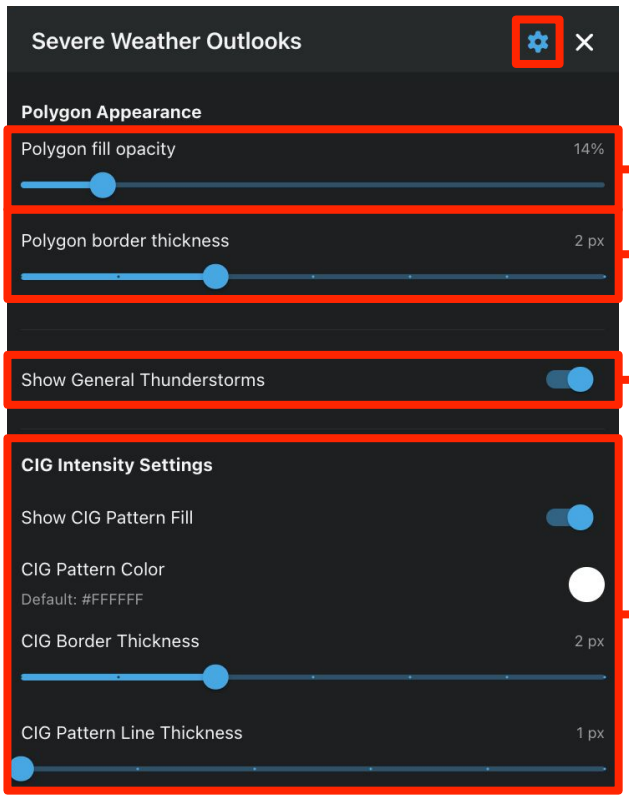




Navigating the Side Menu

Data Overlays - Severe Weather (United States)

Settings for convective outlooks can be accessed by selecting the gear icon in the top right of the menu. Colors for the outlook polygons **cannot** be customized.

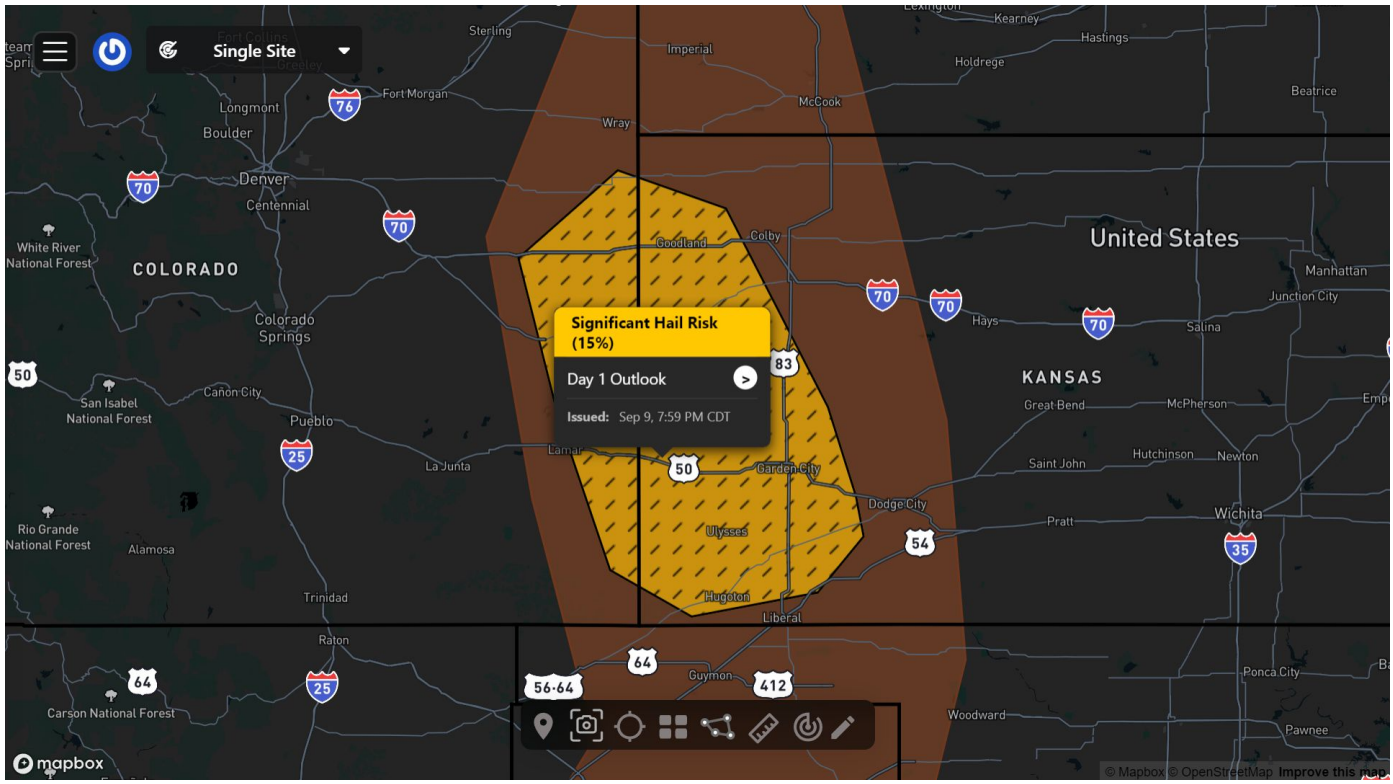


Adjust the fill opacity of the outlook polygons

Adjust the border thickness of the outlook polygons

Toggles the “General Thunderstorms” layer of the outlook

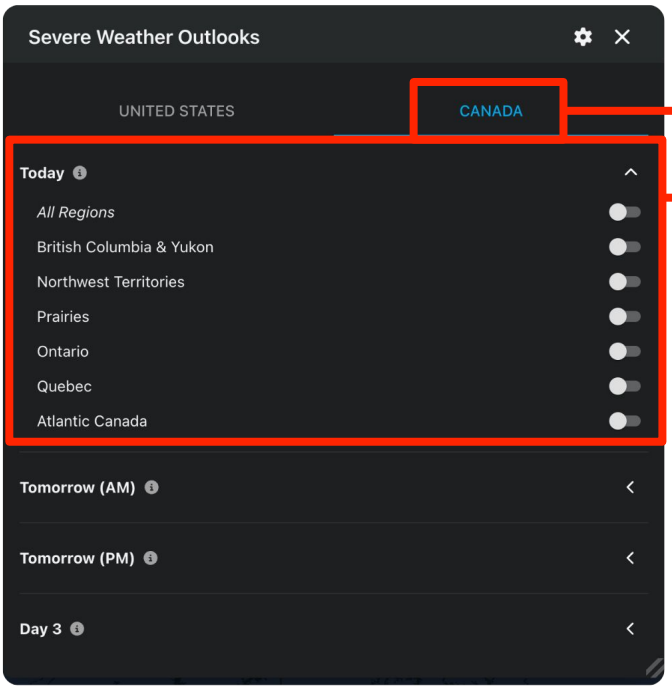
Adjust various aspects of the “Significant Severe” layer of the outlook. You can toggle the dashed line filling, change the dashed line thickness, or change the color of the components of the layer. Tapping on the color icon next to an option will bring up the color selector tool.



Navigating the Side Menu

Data Overlays - Severe Weather (Canada)

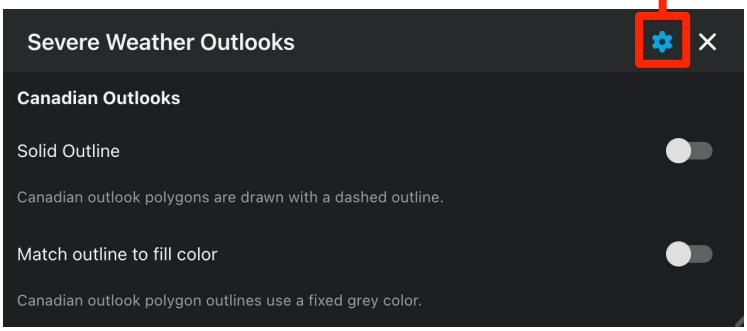
Access Canadian thunderstorms outlook by navigating to the “Canada” tab in the Severe Weather Outlooks menu. Severe Weather Outlooks for Canada can be enabled for Days 1-3 across each region.

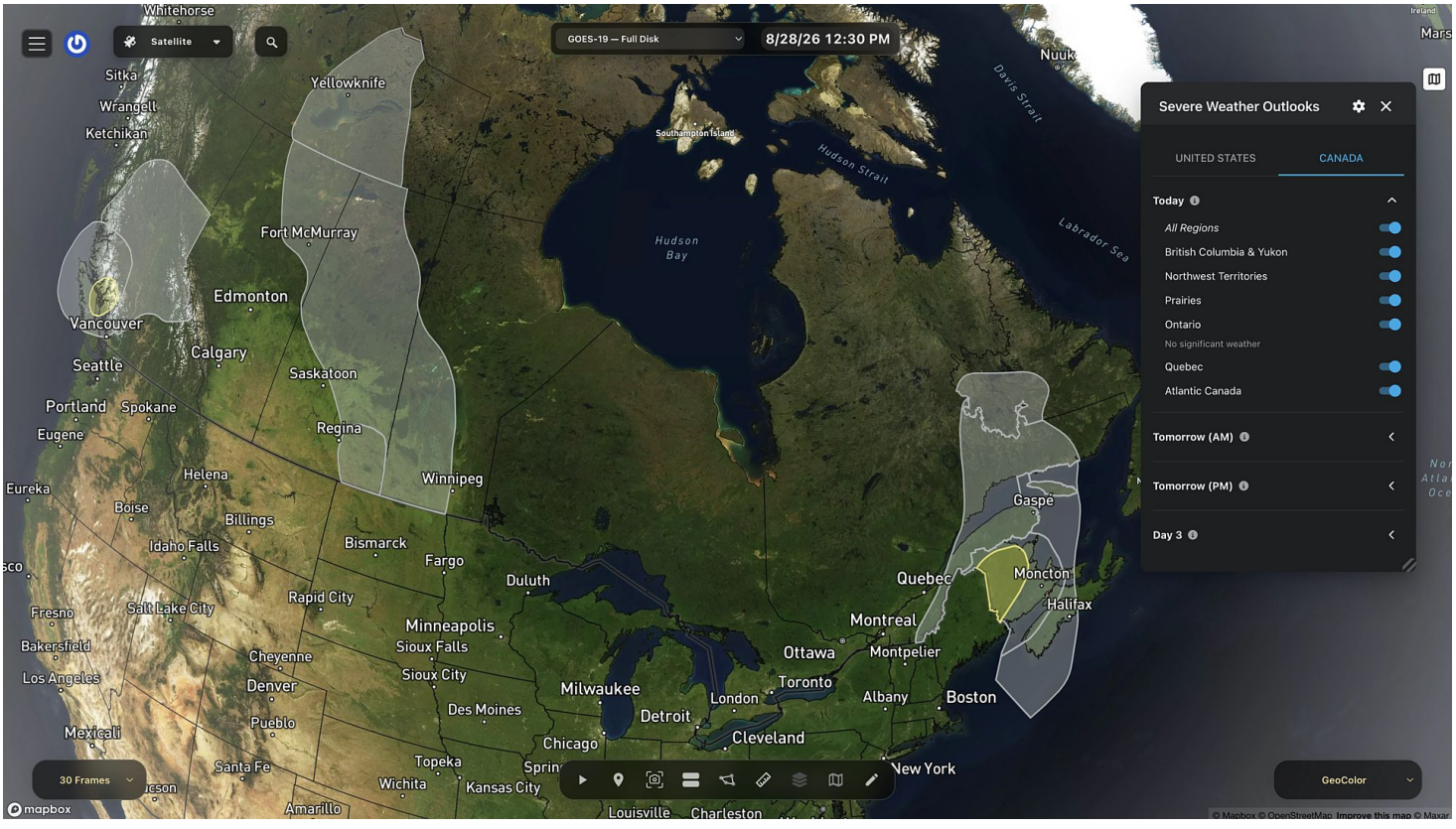


Select Canadian outlooks from the menu.

Choose the day and region of the severe weather outlook. Select between individual or all regions.

Access the Severe Weather Outlooks settings menu to find additional customization options for Canadian outlooks.



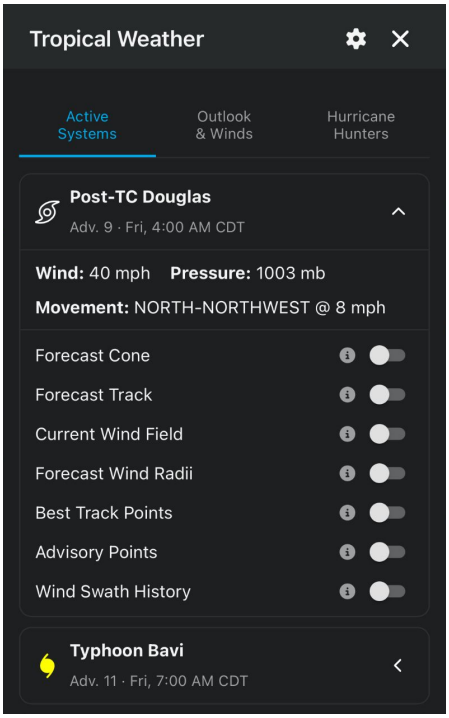


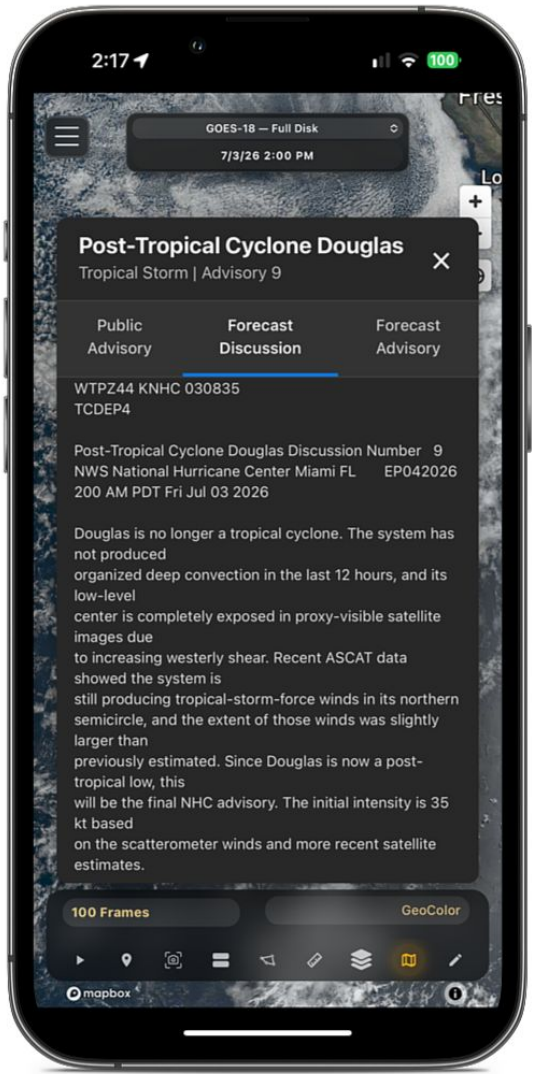
Navigating the Side Menu

Data Overlays - Tropical Weather

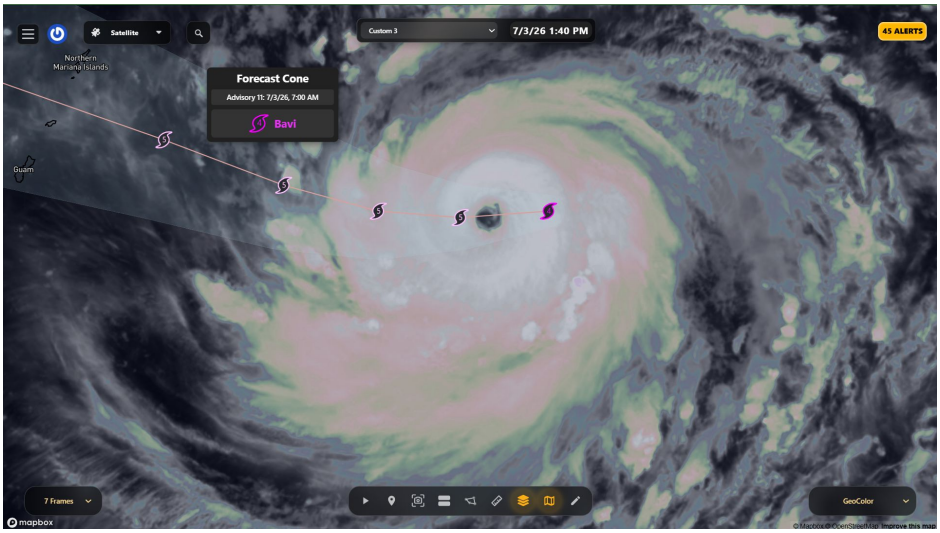
The tropical weather toolkit can be found in the Tropical Weather menu of the Data Overlays section. The “Active Systems” tab contains toggles for the different layers showing the latest information, which can be enabled for each individual storm. Some of the layers include each storm’s forecast cone and track, current and forecast wind fields, wind swath, and previous advisory points.

Tap the “i” next to any of the layers to open a legend and learn more about them.







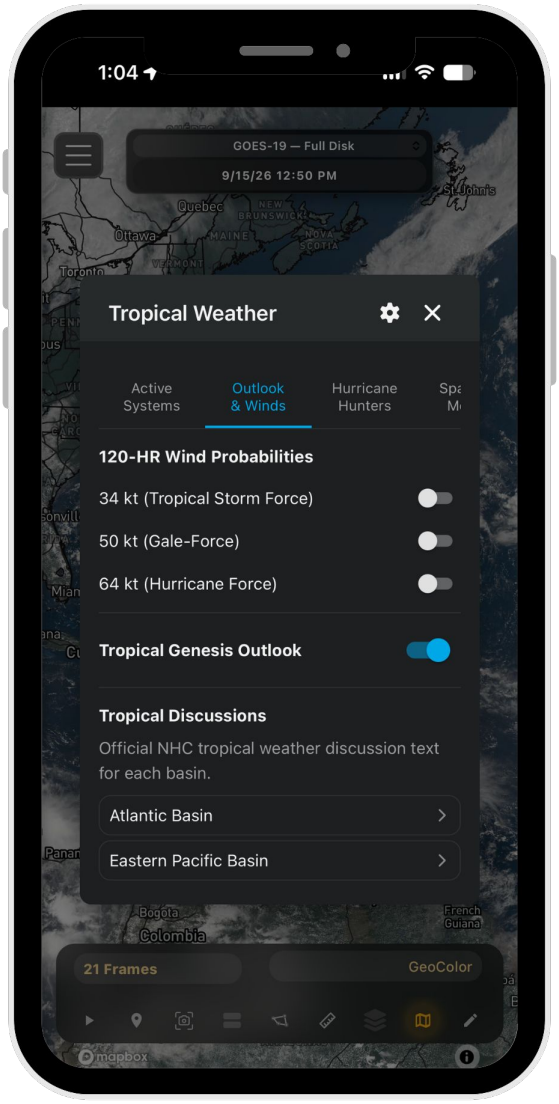


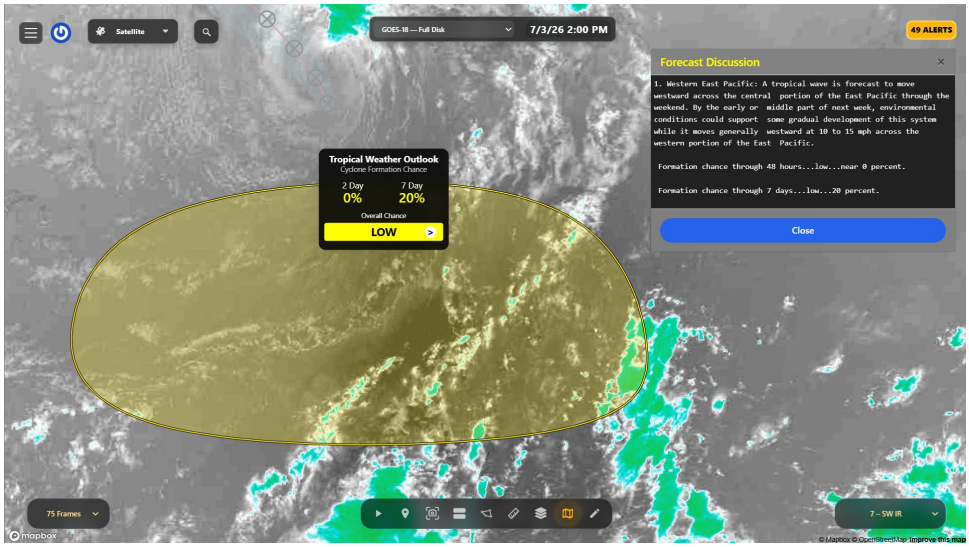
Navigating the Side Menu

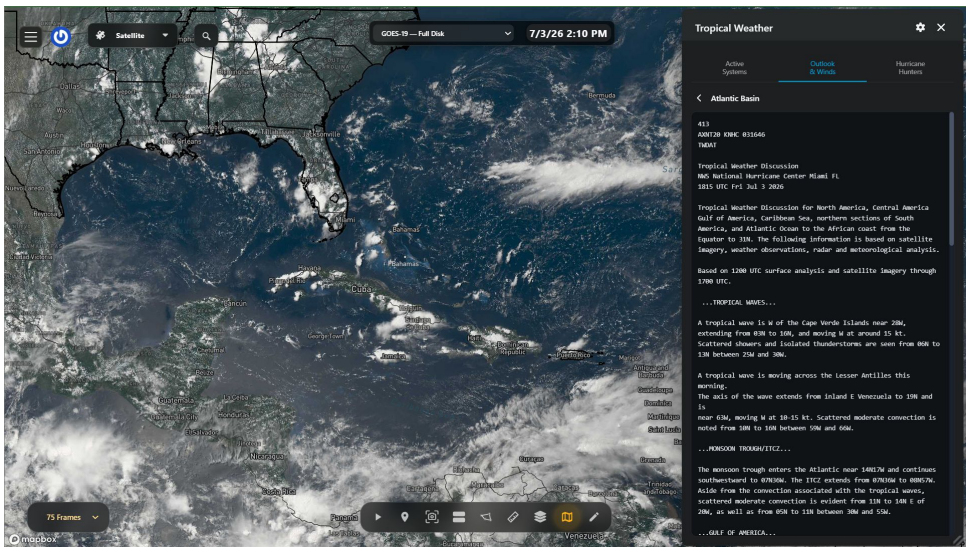
Data Overlays - Tropical Weather

The “Wind & Outlooks” tab contains toggles for Tropical-Storm-Force, Gale-Force, and Hurricane-Force wind probability forecasts associated with active compatible tropical systems, as well as toggles for Tropical Genesis Outlooks, which highlight areas of potential tropical development.

Additionally, access and read outlook discussions for different basins to learn more about the overall state of the tropics, and what areas are being monitored.





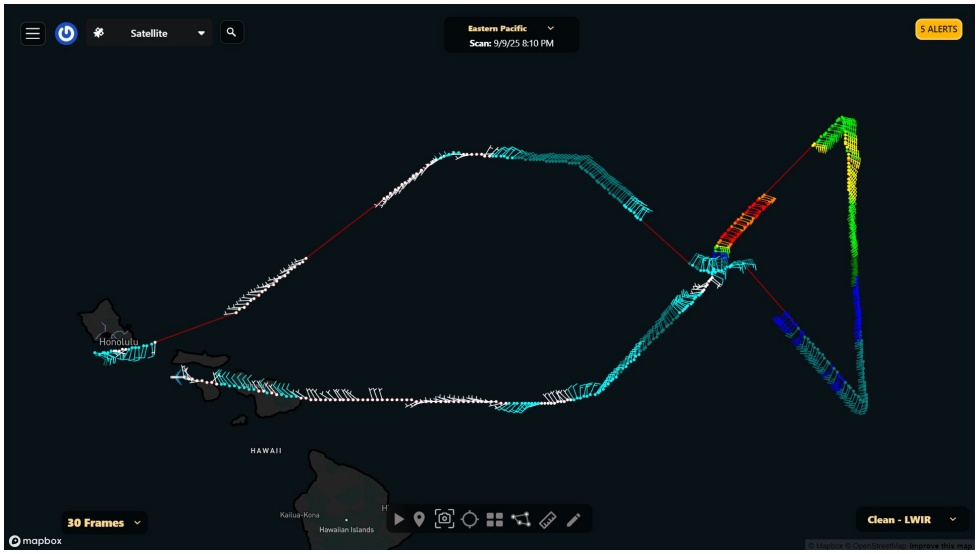


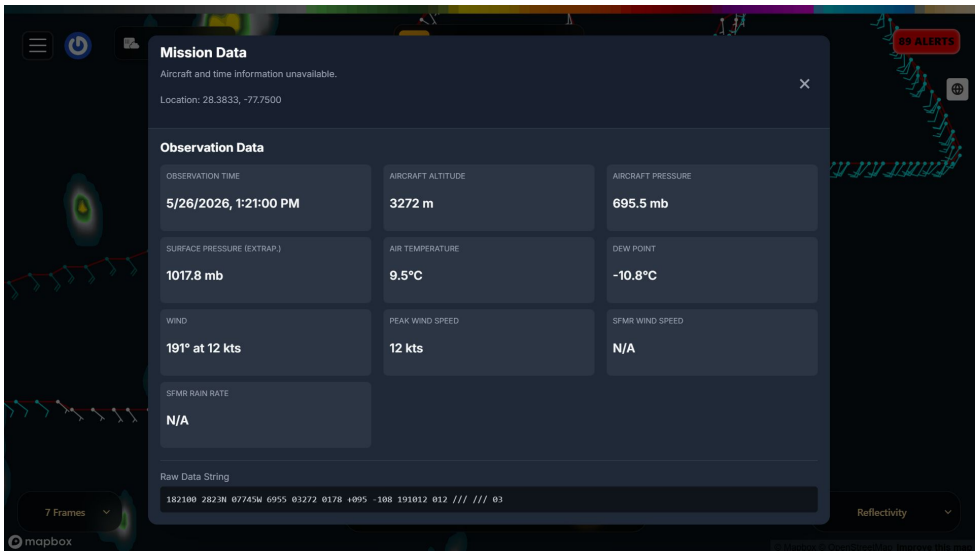
Navigating the Side Menu

Data Overlays - Tropical Weather

Data from ongoing and recent Hurricane Hunter missions can be found under the “Hurricane Hunters” tab. Turn on the mission flight path and view integral tropical data as it comes in in real-time, or view the data graphically by tapping on the graph icon to the left of the toggle switch.

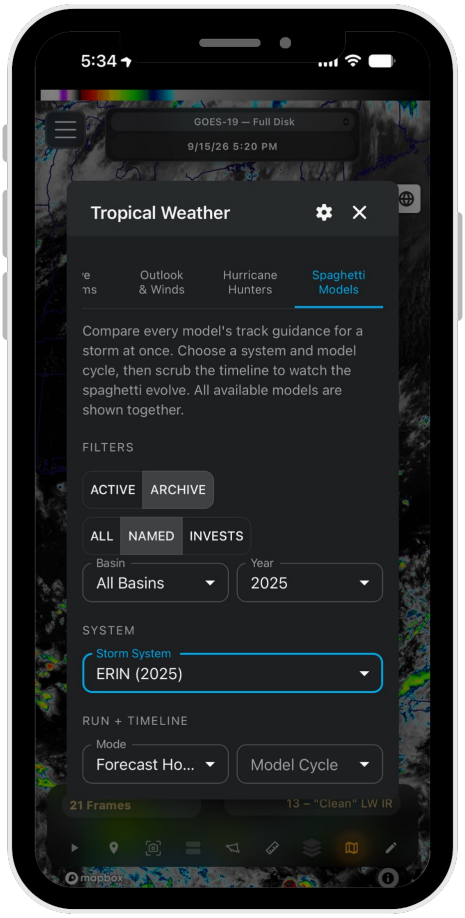






Navigating the Side Menu

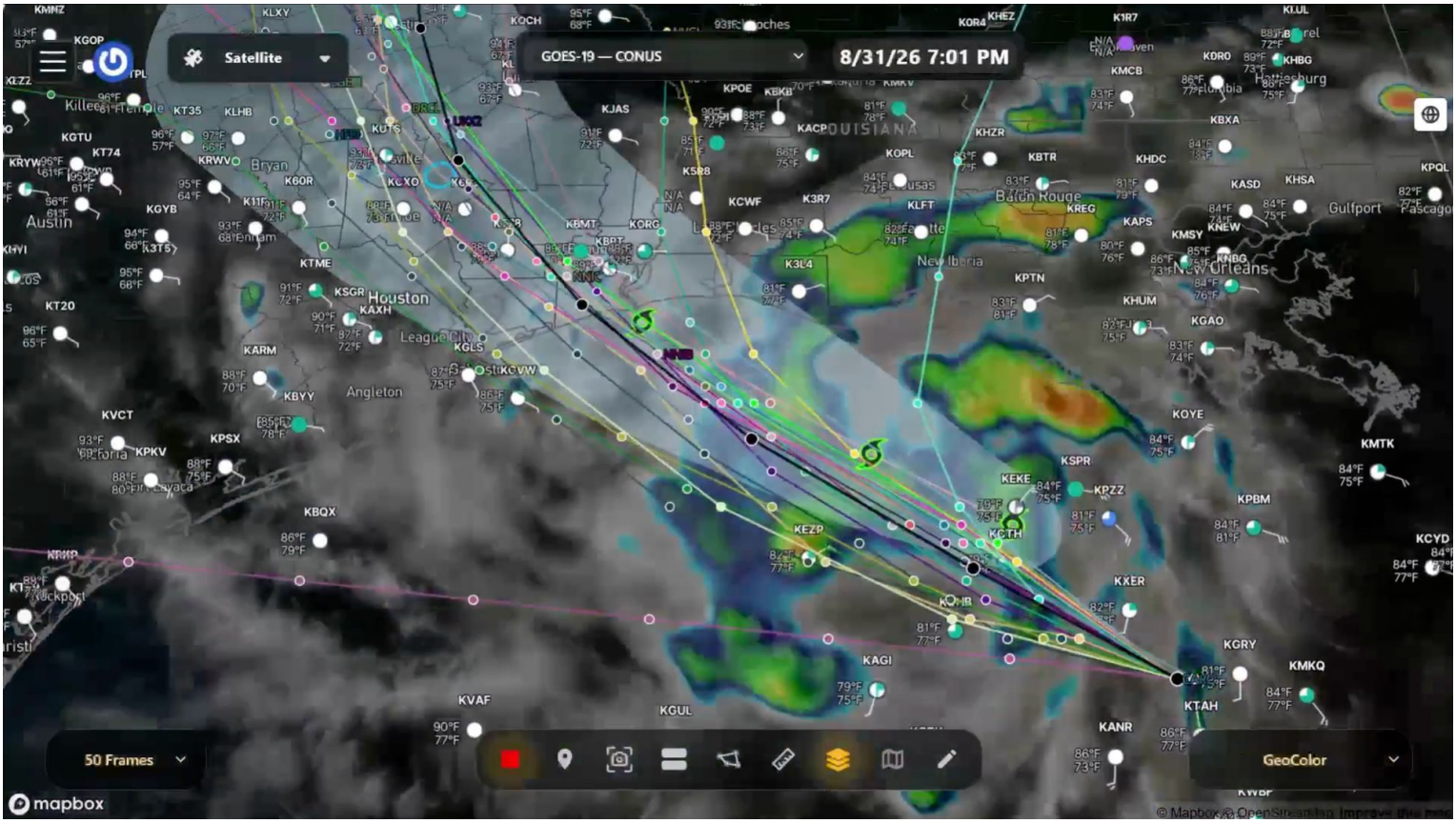
Data Overlays - Tropical Weather Spaghetti Models



Tropical Spaghetti Models let you plot and animate forecast model tracks for active named storms and invests, view intensity guidance, and explore how model forecasts evolve throughout a system's lifetime.

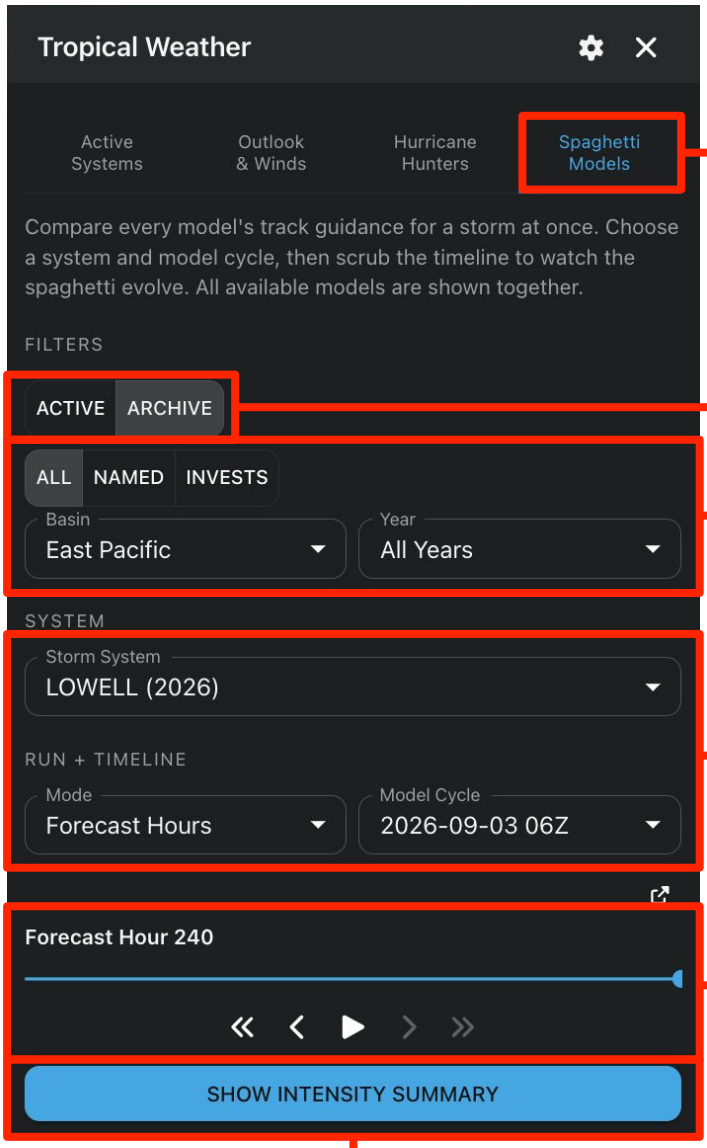
To access Spaghetti Models, open the **Tropical Weather** menu and select **Spaghetti Models**, then choose a storm or invest to view available track and intensity guidance.

Spaghetti Models are available to **all users. Subscribers** can also access archived spaghetti model data for named storms and invests dating back to the 2025 tropical season.



Navigating the Side Menu

Data Overlays - Tropical Weather Spaghetti Models



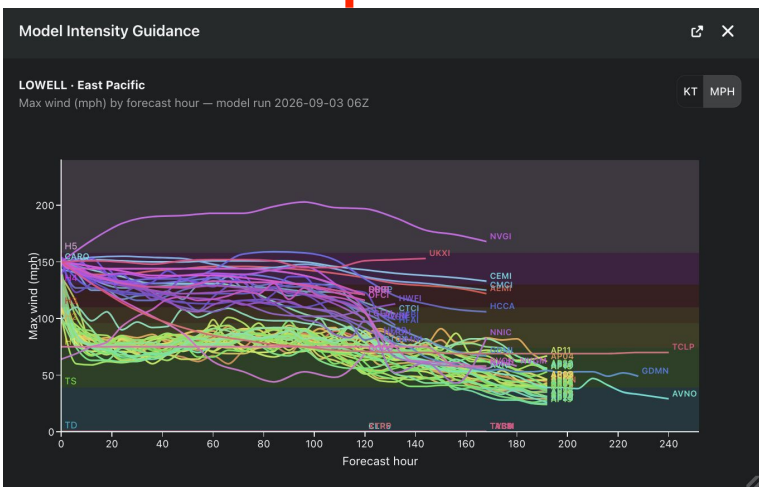
Access Spaghetti Models in Tropical Weather

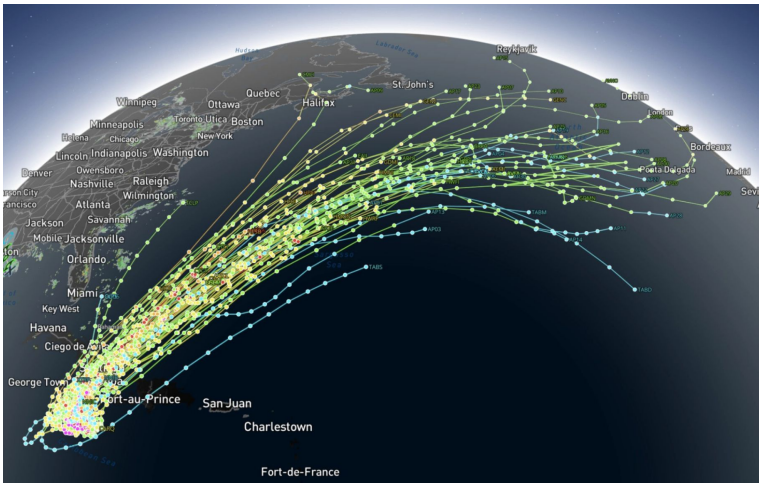
Select between Active and Archived storms. Archived data is available to subscribers.

Optionally, refine your search with these filters

Choose a system, mode, and model cycle to see the data on the map. In the Model Cycle dropdown, the latest available data will be indicated by a yellow dot.

Use these controls to animate the spaghetti model data. When using the Forecast Hours mode, animating the spaghetti model data will animate through that cycle's timesteps. When using the Cycle History mode, animating the spaghetti model data will animate through each model cycle over the storm's lifetime.

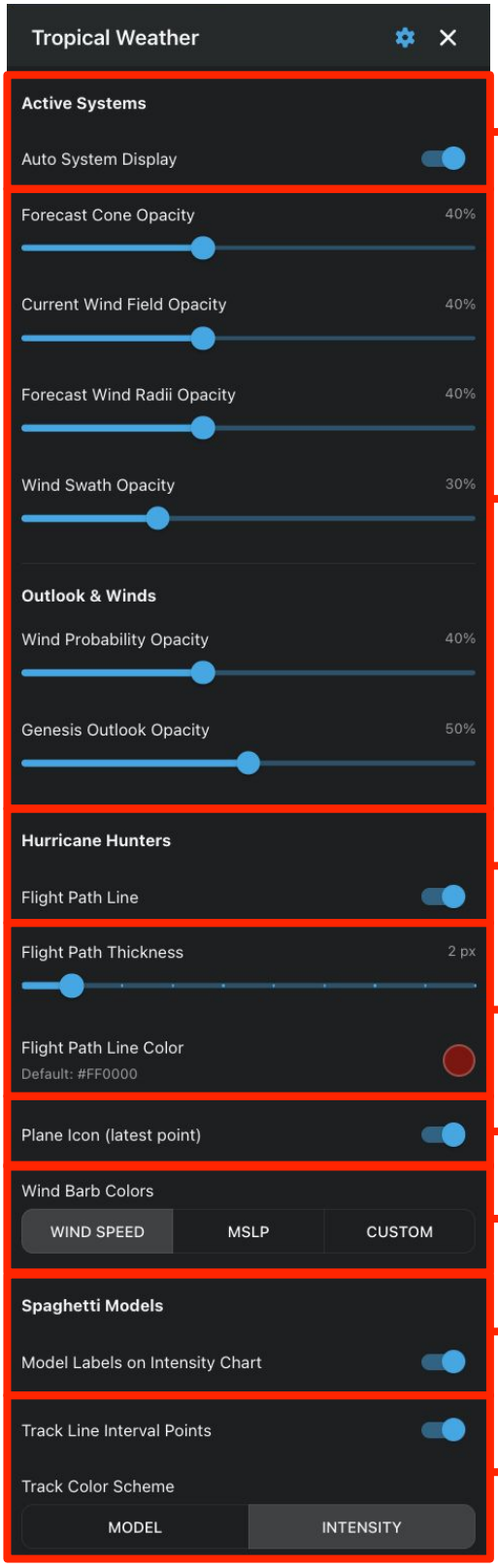




Navigating the Side Menu

Data Overlays - Tropical Weather

All of the settings for the different layers and tropical products can be accessed by tapping the gear icon in the top right corner of the Tropical Weather menu.



With this toggle enabled, new storms will automatically render on the map with their forecast cone and track as soon as they are designated.

Control the opacity of the various tropical polygons, overlays and outlooks with these sliders.

Disable this toggle to turn off the Hurricane Hunter flight path lines, leaving just the wind barbs.

Adjust the color and path thickness of Hurricane Hunter flight path lines.

The latest position of a Hurricane Hunter mission is marked by a plane icon. Disable this option to remove it.

Adjust the color scheme of the wind barbs for Hurricane Hunter missions.

Toggle on/off the name of each spaghetti model member on the intensity chart.

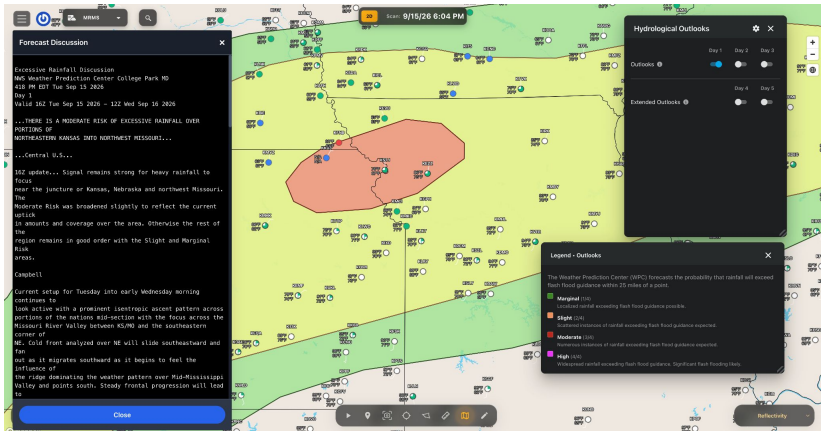
Spaghetti model track interval points can be toggled on/off. Changing the track color scheme to 'Model' will apply a unique color to each model member's track, while 'Intensity' color-codes the tracks based off that member's forecast wind speed at that timestep.

Navigating the Side Menu

Data Overlays

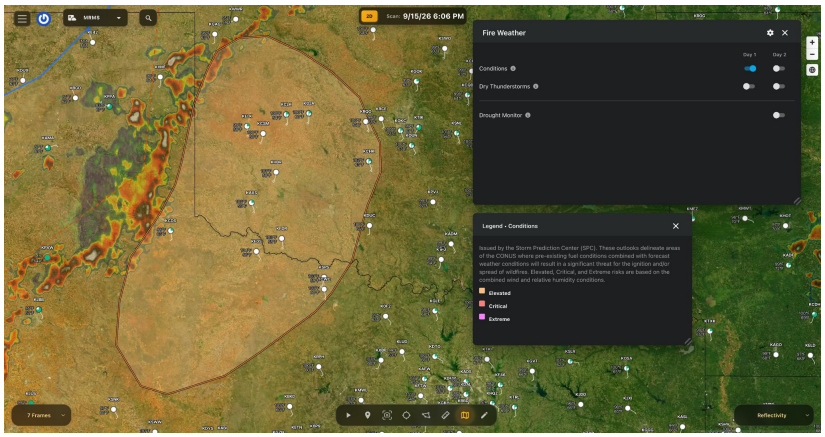
Hydrological Outlooks

Excessive rainfall outlooks for days 1-5 can be turned in on the Hydrological Outlooks menu. Settings for these outlooks can be adjusted in the “Settings” tab. Tap on the polygons to read detailed discussions, and learn more about these products by taping the Legend “i” icon.



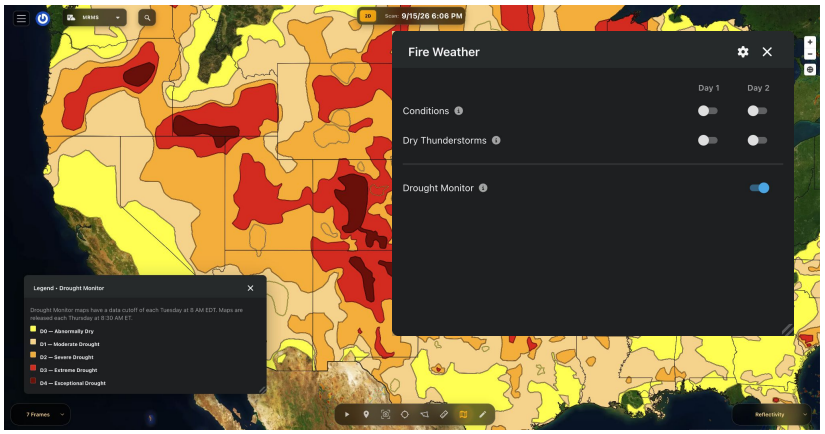
Fire Weather

Outlooks for fire weather conditions and dry thunderstorms can be turned on in the Fire Weather menu. Settings for the different layers can be adjusted using the sliders in the “Fire Weather Outlook” tab.



The Drought Monitor layer can be enabled in the “Weekly Drought Monitor” tab in this menu.

Tap on the polygons to read detailed discussions, or tap on the Legend “i” icons to learn more about these products.

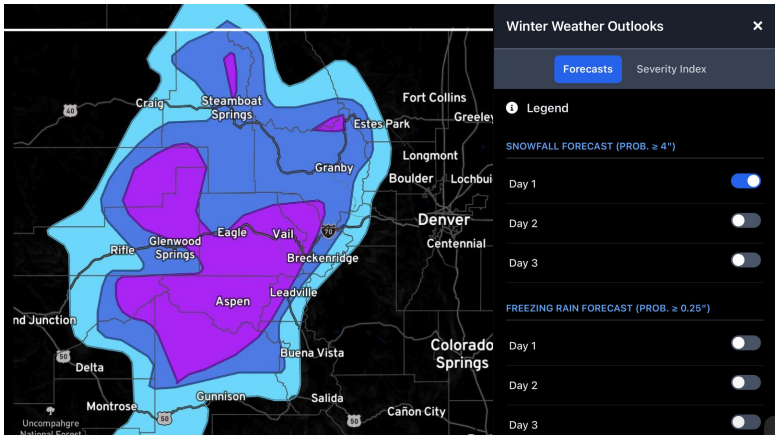


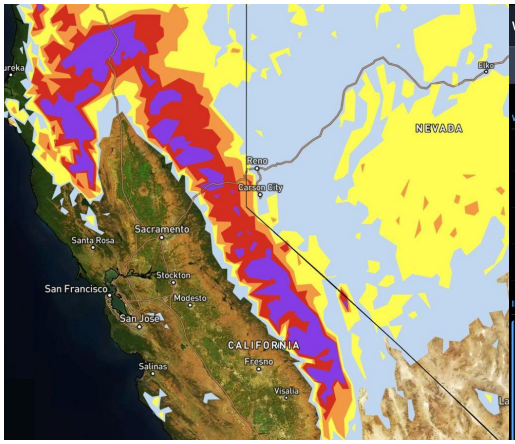
Navigating the Side Menu

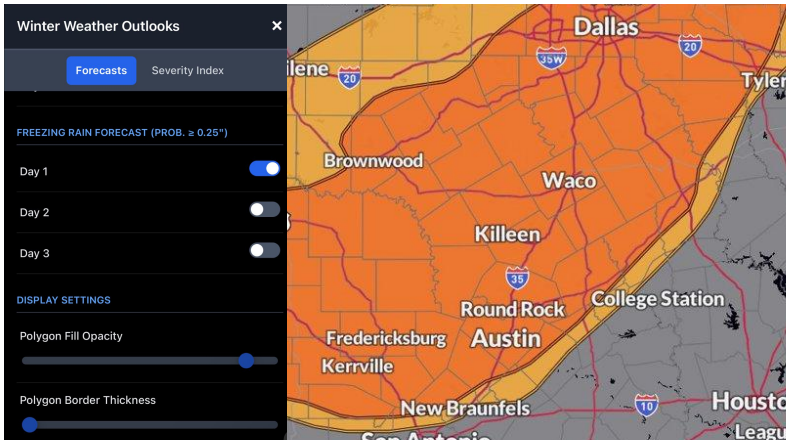
Data Overlays

Winter Weather

The winter weather outlooks toolkit consists of heavy snow outlooks (probability of ≥4”), freezing rain outlooks (probability of ≥0.25”), and the Winter Storm Severity Index. Tap on the polygons to read detailed discussions, and learn more about these products by tapping the “i” Legend icon.

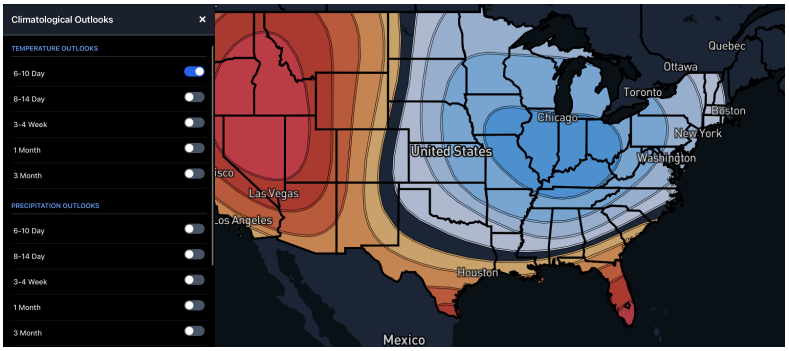


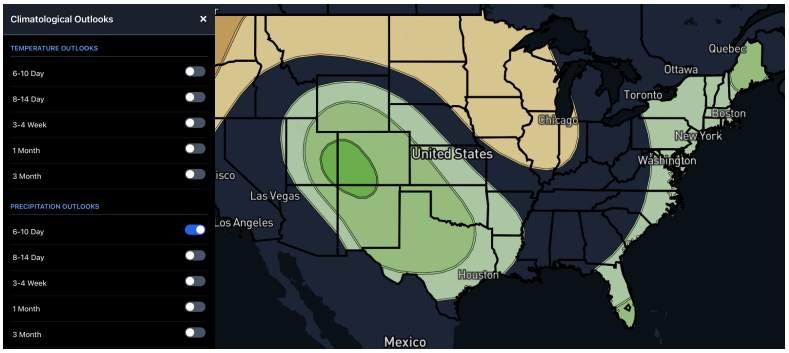




Climatological Outlooks

Climatological outlooks from the Climate Prediction Center show the probability of above/below average temperature and precipitation. Outlooks are available for all of the forecast periods that the CPC offers. Tap on the polygons to read detailed discussions.



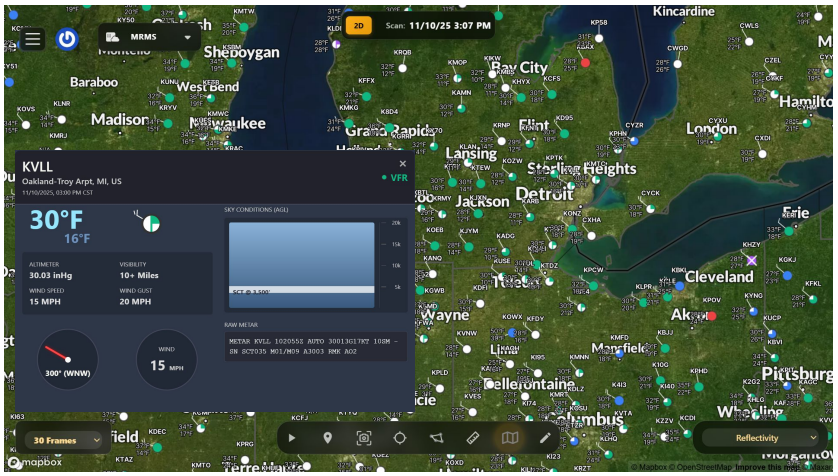


Navigating the Side Menu

Data Overlays

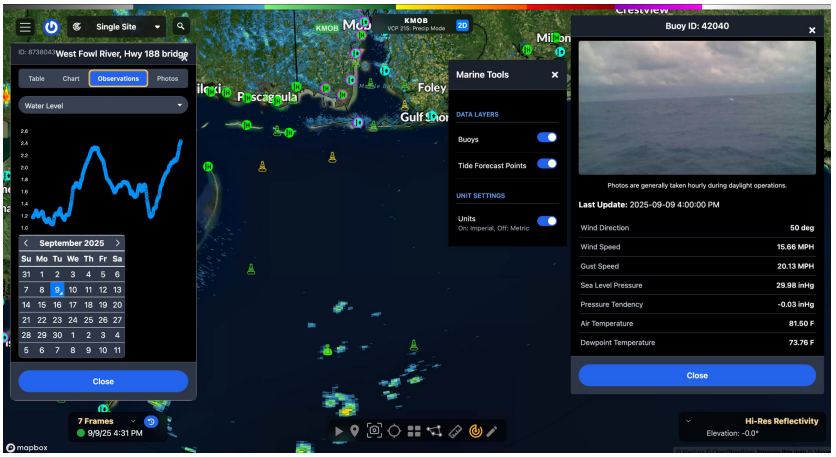
METARS

METAR refers to a standardized format of reporting weather information. Enabling one of the options in the METARS Settings menu will display information from reporting stations across the world. Click or tap on a station to view more information.



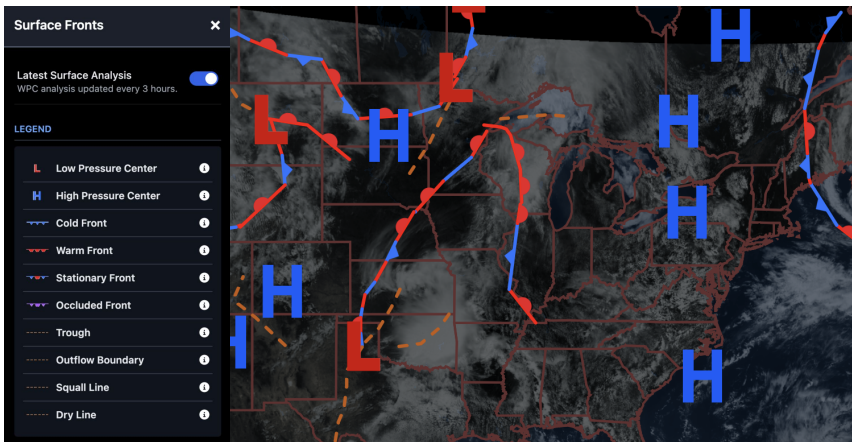
Marine Tools

Marine tools consist of buoys and tide forecast points. This worldwide network allows you to see a variety of current observations and tide forecasts. Many buoys will also take photos during daylight hours.



Surface Fronts

The surface fronts layer will display the most recent surface front analysis from the Weather Prediction Center. This analysis will update every 3 hours. You can learn more about what these mean by tapping on the Legend "i" icons in the Surface Fronts menu.

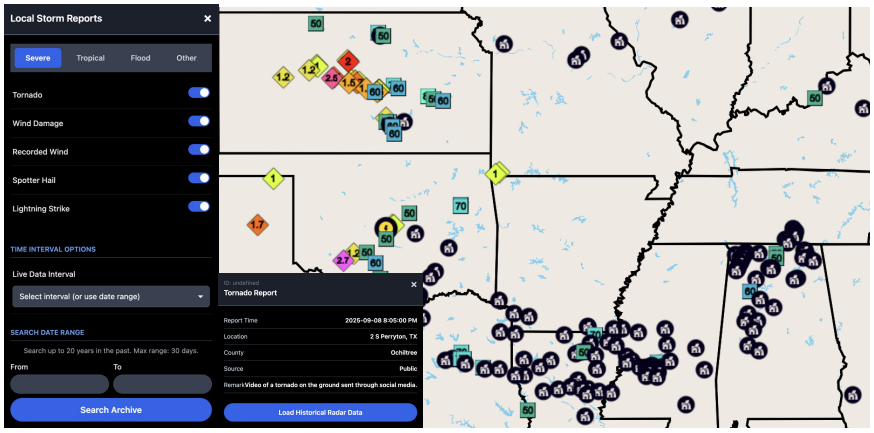


Navigating the Side Menu

Data Overlays

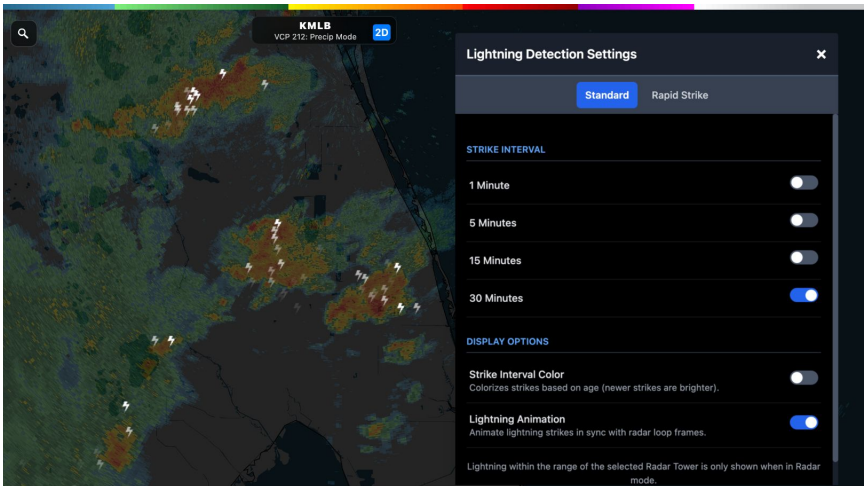
Storm Reports

To display unfiltered storm reports, turn on all of the reports that you would like to see, then select a data interval. Tap on a storm report to see more information. Access previous archived storm reports by entering a date range at the bottom of the menu, then tapping search.



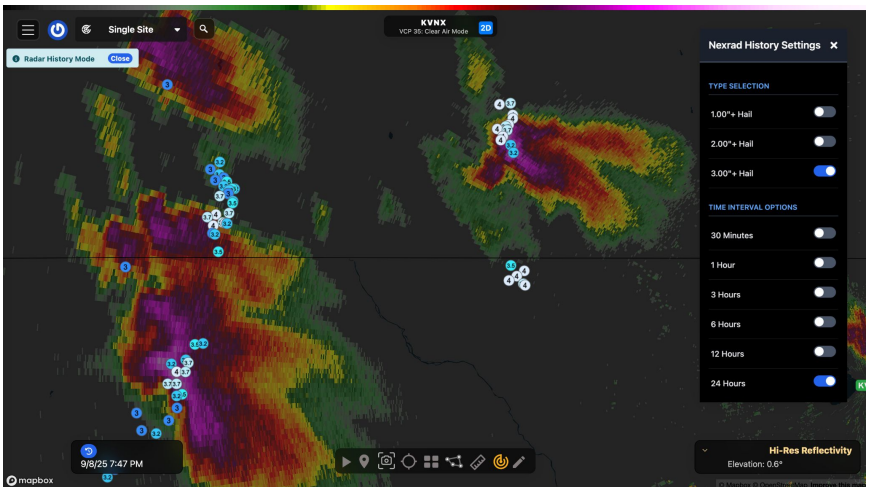
Lightning Detection

To display lightning strikes detected in a storm-based satellite sector[G] or nearby a radar site, enable a "strike interval" option, then select a storm-based satellite sector or radar site. Note that this is different than lightning monitoring, which is done through custom locations. With the "strike interval color" option enabled, older strikes will appear as darker colors.



NEXRAD History

The NEXRAD History layer displays recent radar estimated hail up to 24 hours in the past. Select a size range and time interval to display the layer. Remember that these are **radar estimations**, not observations. Always use features like this in conjunction with other data to understand the full context.

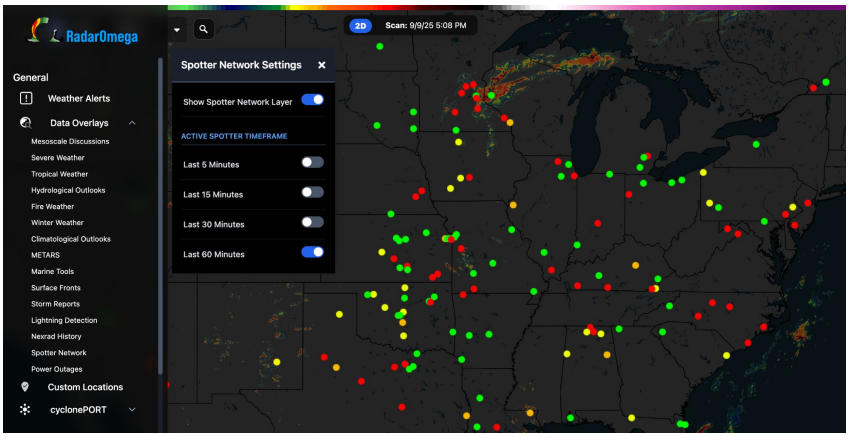


Navigating the Side Menu

Data Overlays

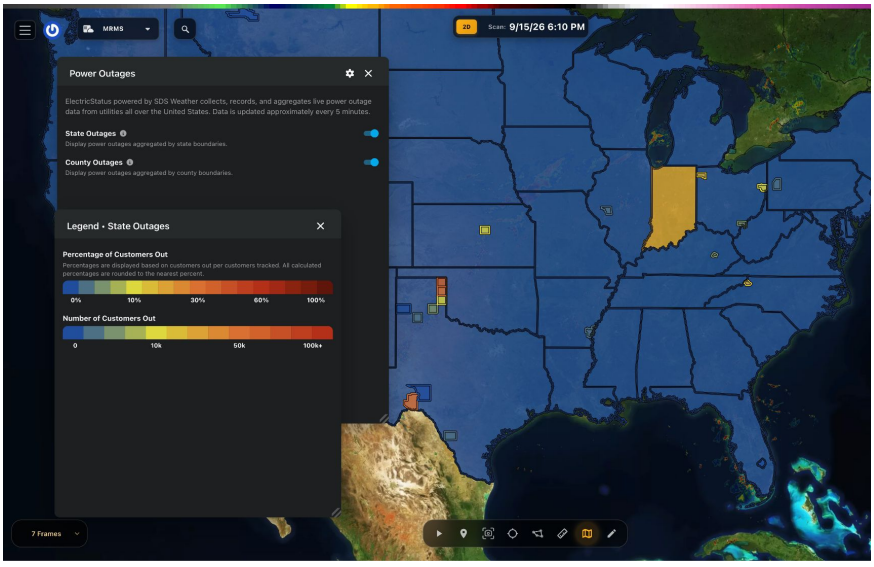
Spotter Network

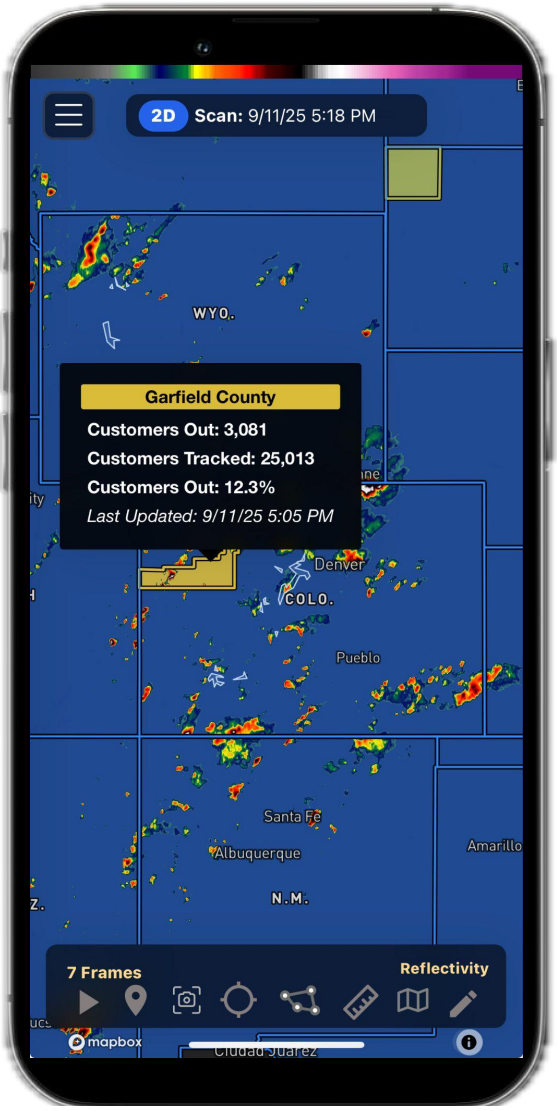
If you are a member of the Spotter Network, as long as you are signed into your Spotter Network account at https://spotternetwork.org/, your position will populate inside RadarOmega. Make sure to enable the layer as well as a time interval to display the layer. Note that RadarOmega does not support Spotter Network location reporting.



Power Outages

Power outages can be displayed by state or by county. Fill color of the polygons can be based off of the percentage or total number of customers without power in the state/county. To learn more about the fill color scale, tap on the “i” icons.

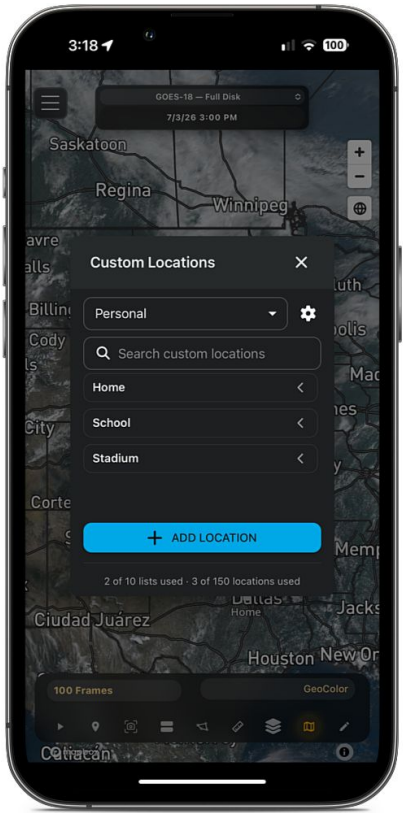


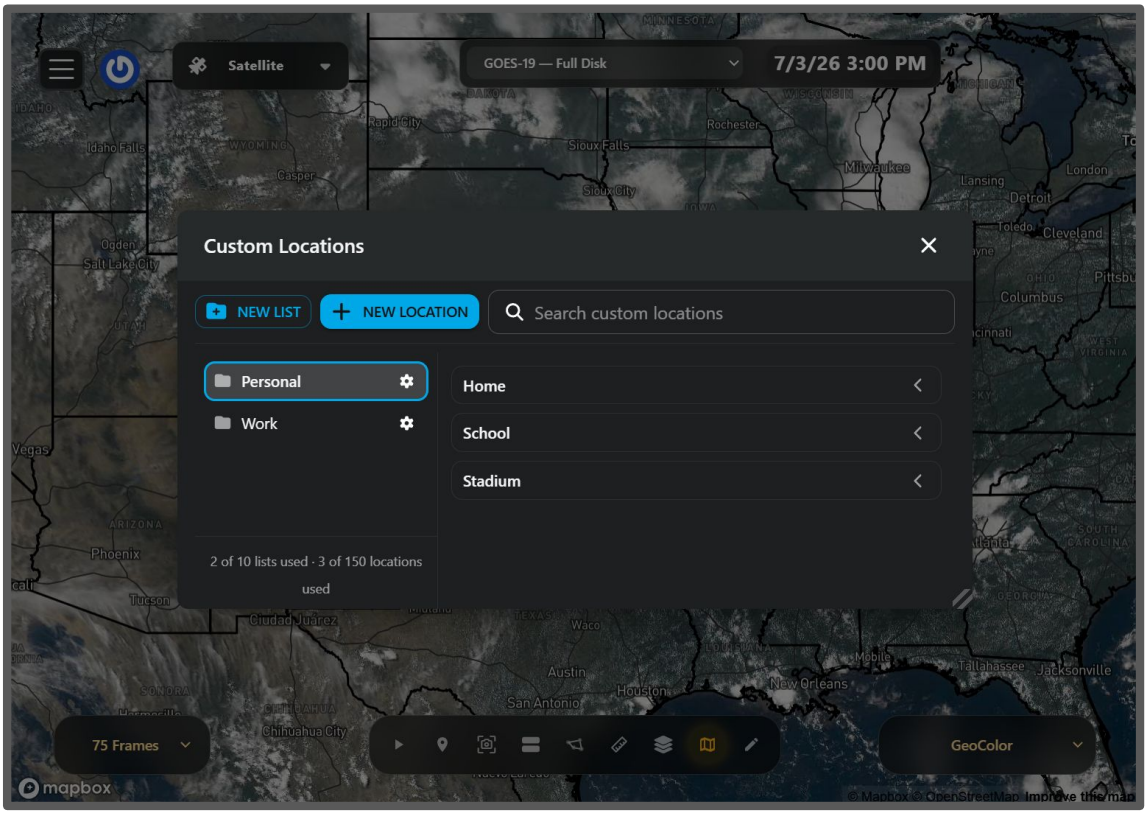


Navigating the Side Menu

Custom Locations

RadarOmega allows you to create and store your own custom locations to mark important places on the map. You can use custom locations to configure weather alert push notifications and real-time lightning monitoring.



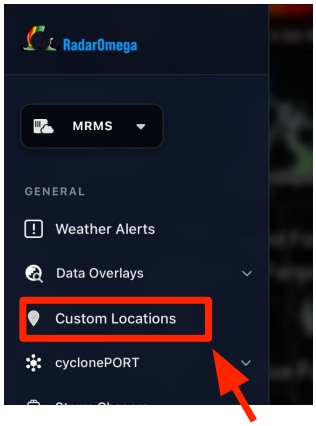


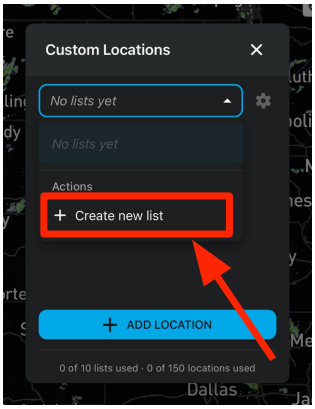
Navigating the Side Menu

Custom Locations

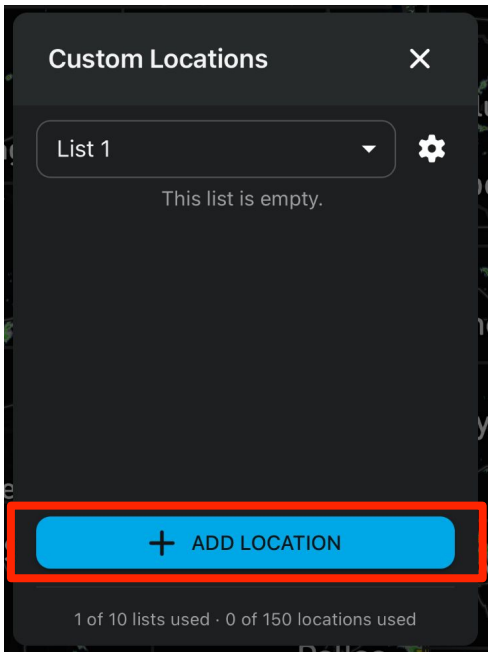
Custom locations can be created to mark and save areas of importance. Several features, like lightning monitoring[A] (more information on page 66) and weather alert push notifications, integrate with custom locations. You must be signed in to a RadarOmega account to create custom locations. Base users can create up to 15 custom locations; Gamma subscribers can create up to 30 custom locations and 2 lists; Beta subscribers can create up to 75 custom locations and 5 lists; Alpha subscribers can create up to 150 custom locations and 10 lists.

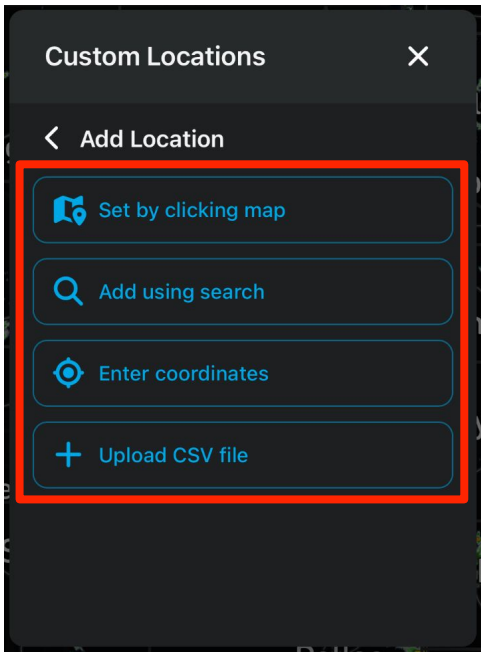
To create a custom location, navigate to the side menu and click on “Custom Locations”. Open the dropdown and choose “+ Create List”. Lists are **not** custom locations - lists are used to separate your custom locations into groups. You do not have to create a list manually - one will be created automatically when adding your first location.

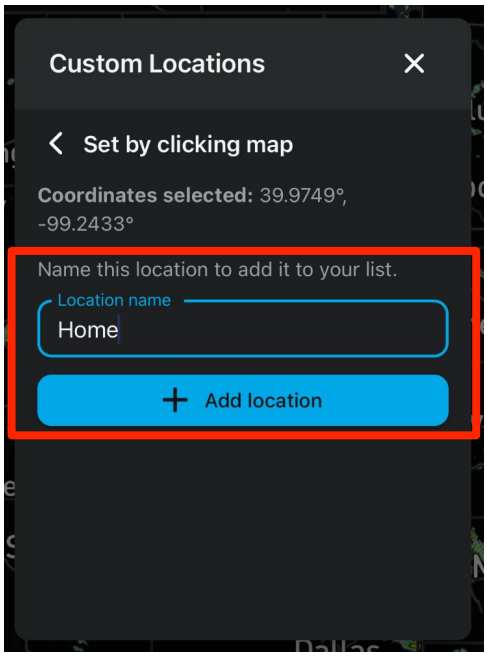




Next, create a custom location by clicking on “Add location”. Use one of the methods presented to create the location, give the location a name, and then “Add Location”.





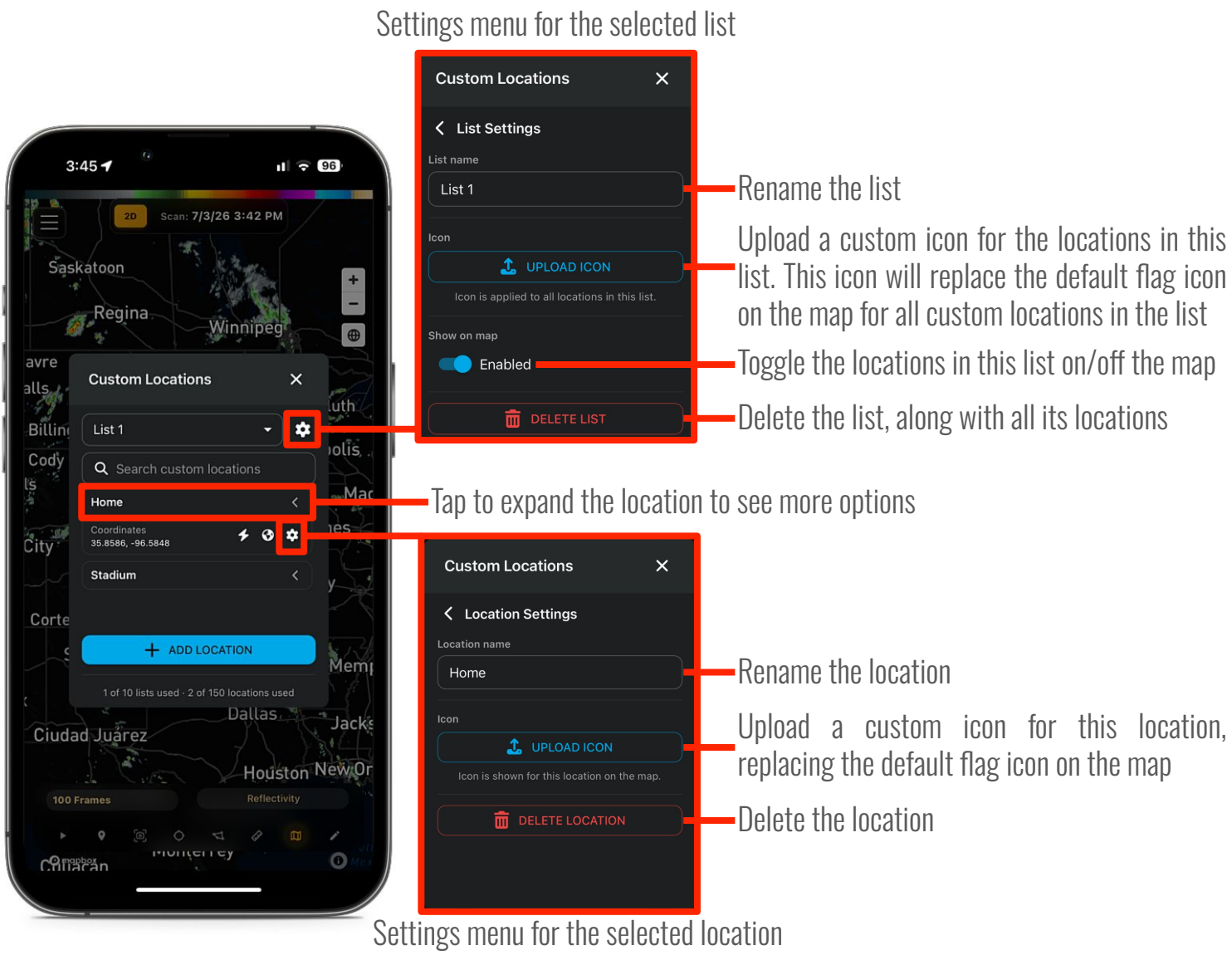


After successfully adding the location, your custom location will populate on the map. At any time, you can tap/click on the custom location to center the map over the location.

Navigating the Side Menu

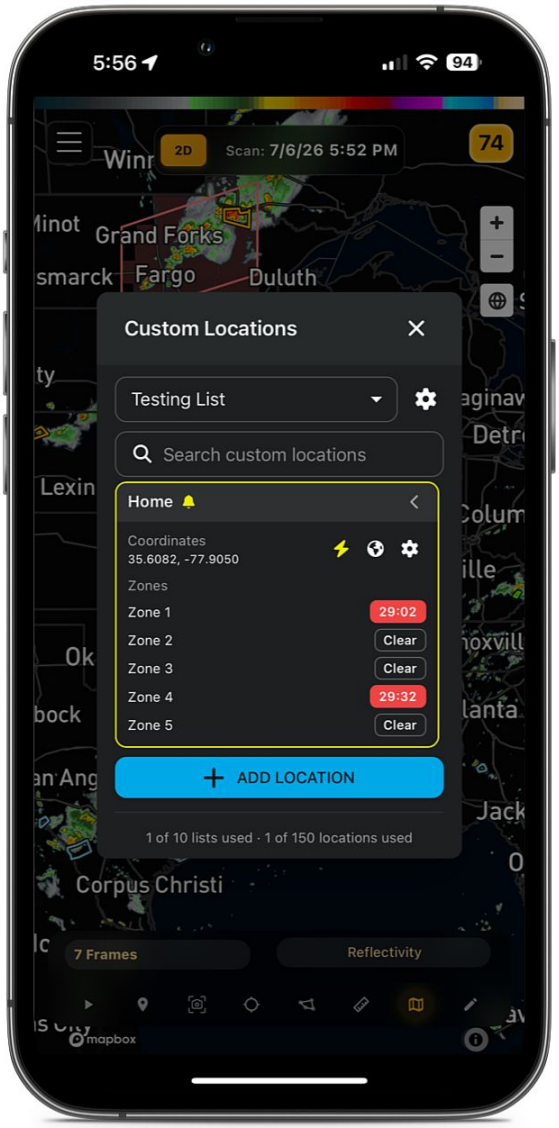
Custom Locations

In the Custom Locations menu, tap on one of your locations to expand it and see additional options. From here you can configure lightning monitoring[A], fly to the location on the map, or access the location settings.



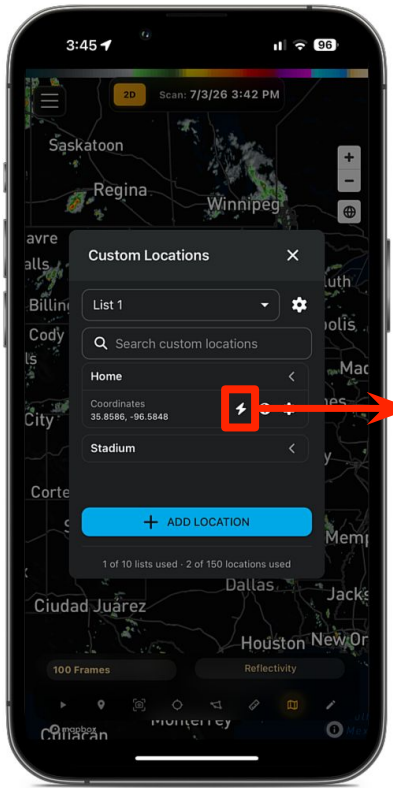
Lightning Monitoring with Custom Locations[A]

Lightning monitoring inside RadarOmega works using custom locations created by the user. Set up lightning monitoring zones around your custom locations to see real-time updates on lightning strikes nearby, and track the time since the most recent strike.

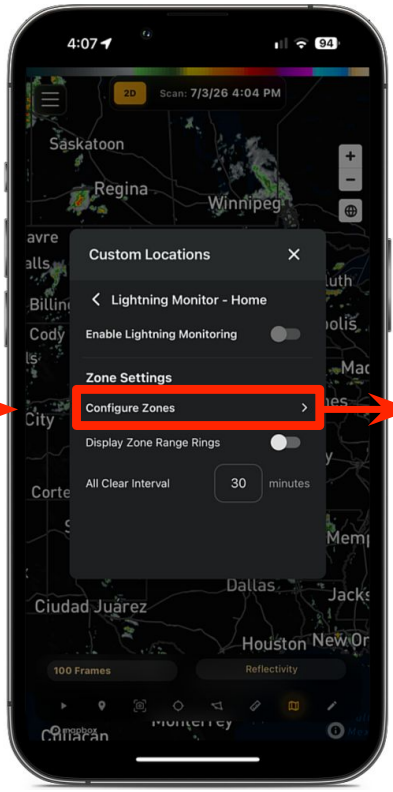


Lightning Monitoring with Custom Locations[A]

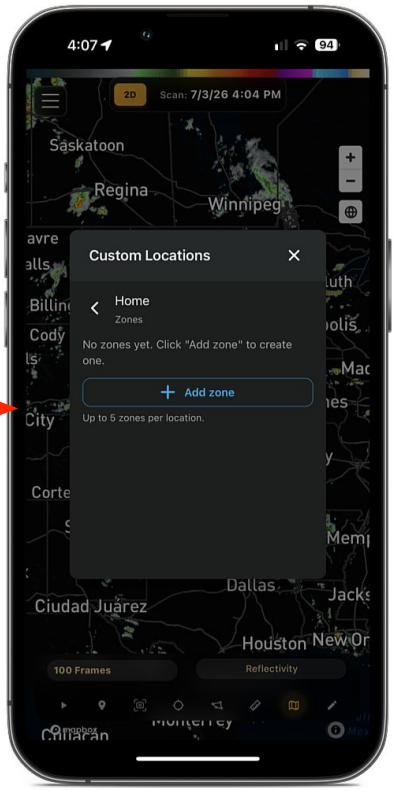
The lightning monitoring menu for a custom location can be accessed by clicking on the lightning icon next to a location. Lightning monitoring in RadarOmega works by configuring zones around one of your locations. Zones are circular distances around the location. When lightning strikes inside one of the zones, a countdown timer will trigger for that zone.



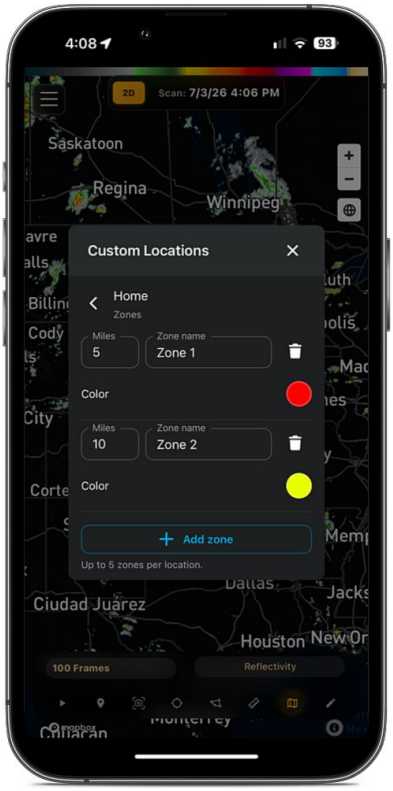
Tap the lightning icon to open the lightning monitoring menu for that location.



First, tap Configure Zones.



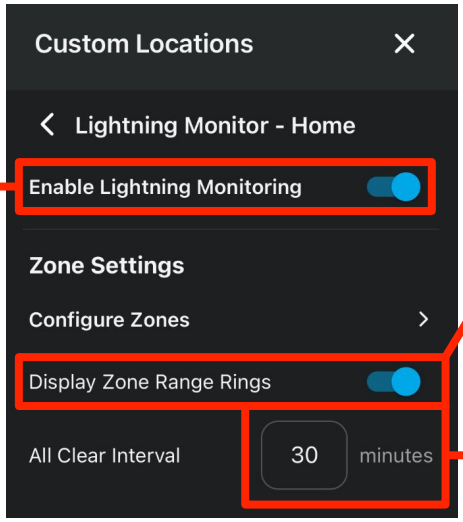
Tap 'Add Zone' to create a zone.



Set the radius for each zone, name your zones to your liking, and select a color for the zone.

Lightning Monitoring with Custom Locations[A]

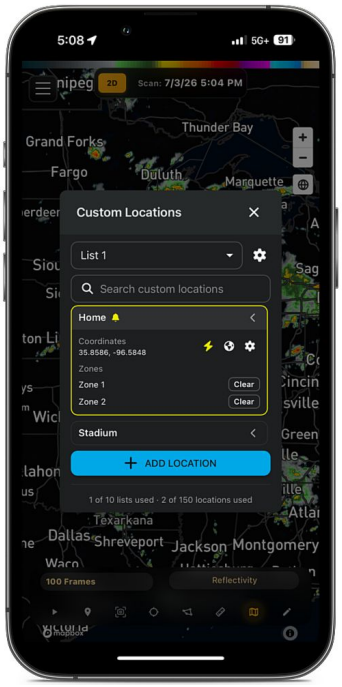
With your zones configured, you can enable lightning monitoring for your location. Turn on this switch to start monitoring.

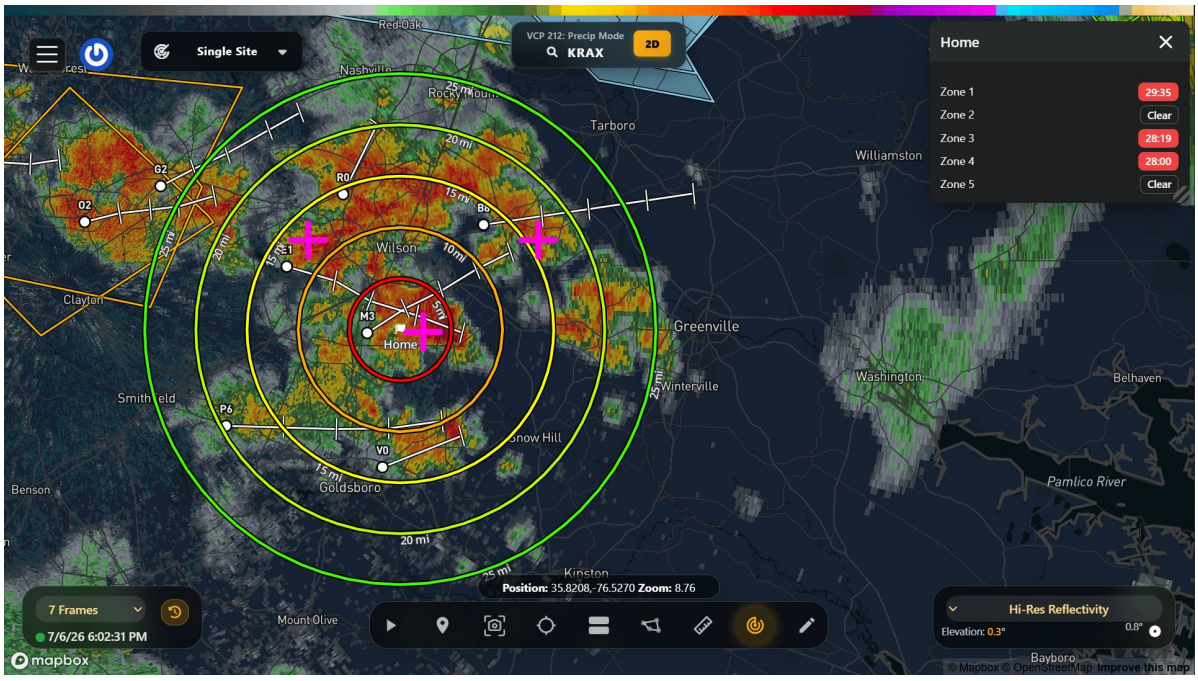


Use this switch to toggle the range ring display on the map. Lightning monitoring will remain active if you disable the range ring display.

If necessary, you can adjust the all clear interval here. When lightning is detected in a zone, a countdown timer will start according to the all clear interval.

When lightning monitoring is enabled for a location, the location will be highlighted in yellow. Tap on the location to expand it and view the status of each zone. When lightning is detected in a zone, the 'Clear' text will be replaced with a countdown timer according to the all clear interval.



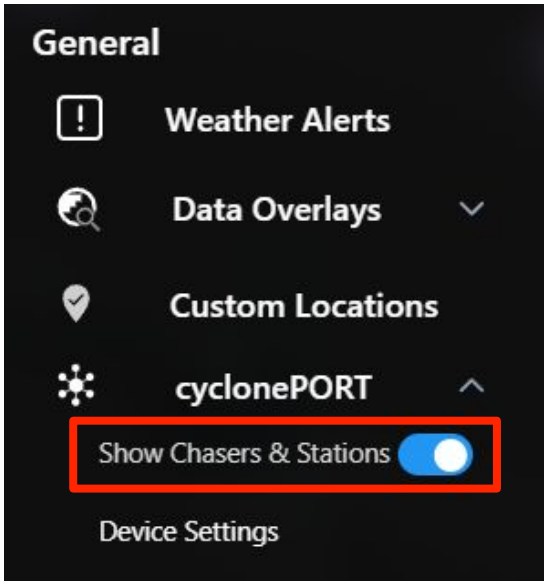


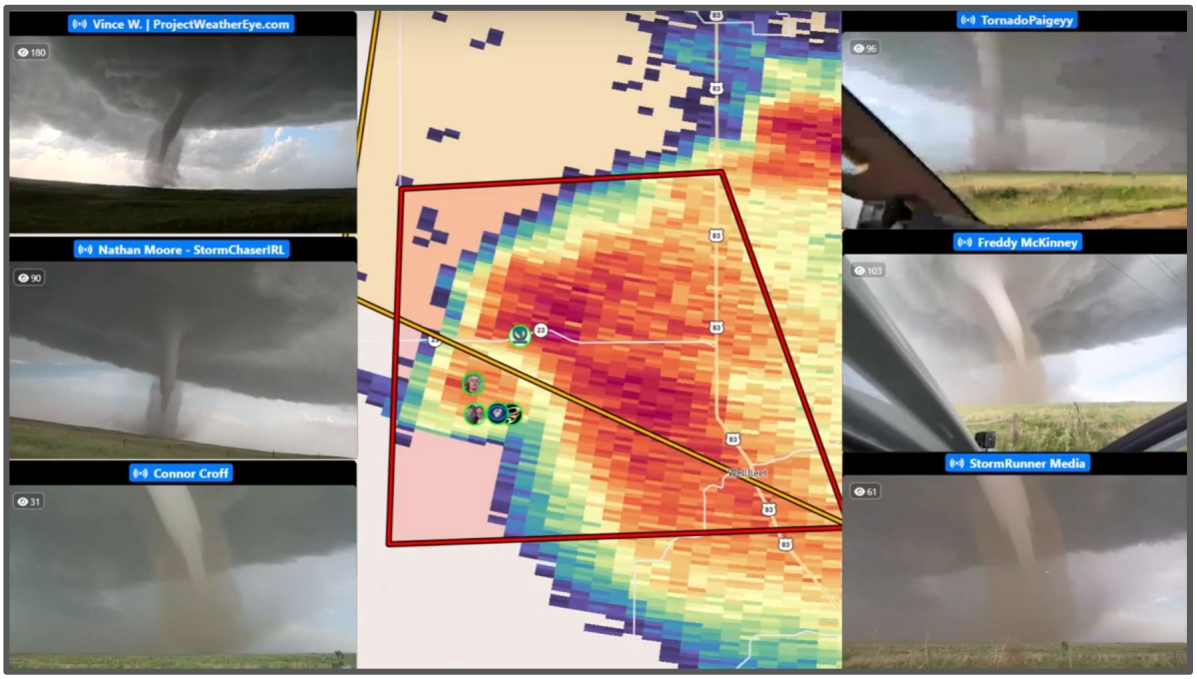
Remember: Lightning monitoring can be active for one location at a time.

Navigating the Side Menu

cyclonePORT - Storm Chasers & Stations

RadarOmega provides unique access to the cyclonePORT Network, allowing you to view live video and real-time weather data captured from stationary units and storm chasers along with the data you're seeing on radar. The cyclonePORT Network layer can be turned on and off from the side menu next to "cyclonePORT". This will also enable all Project MesoVORT units when they are deployed.



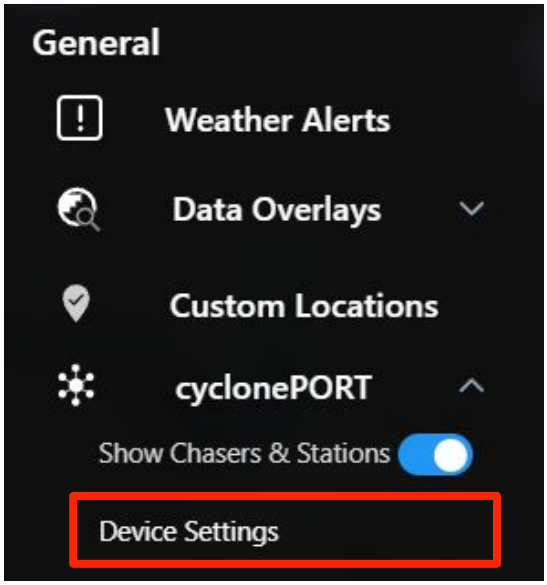


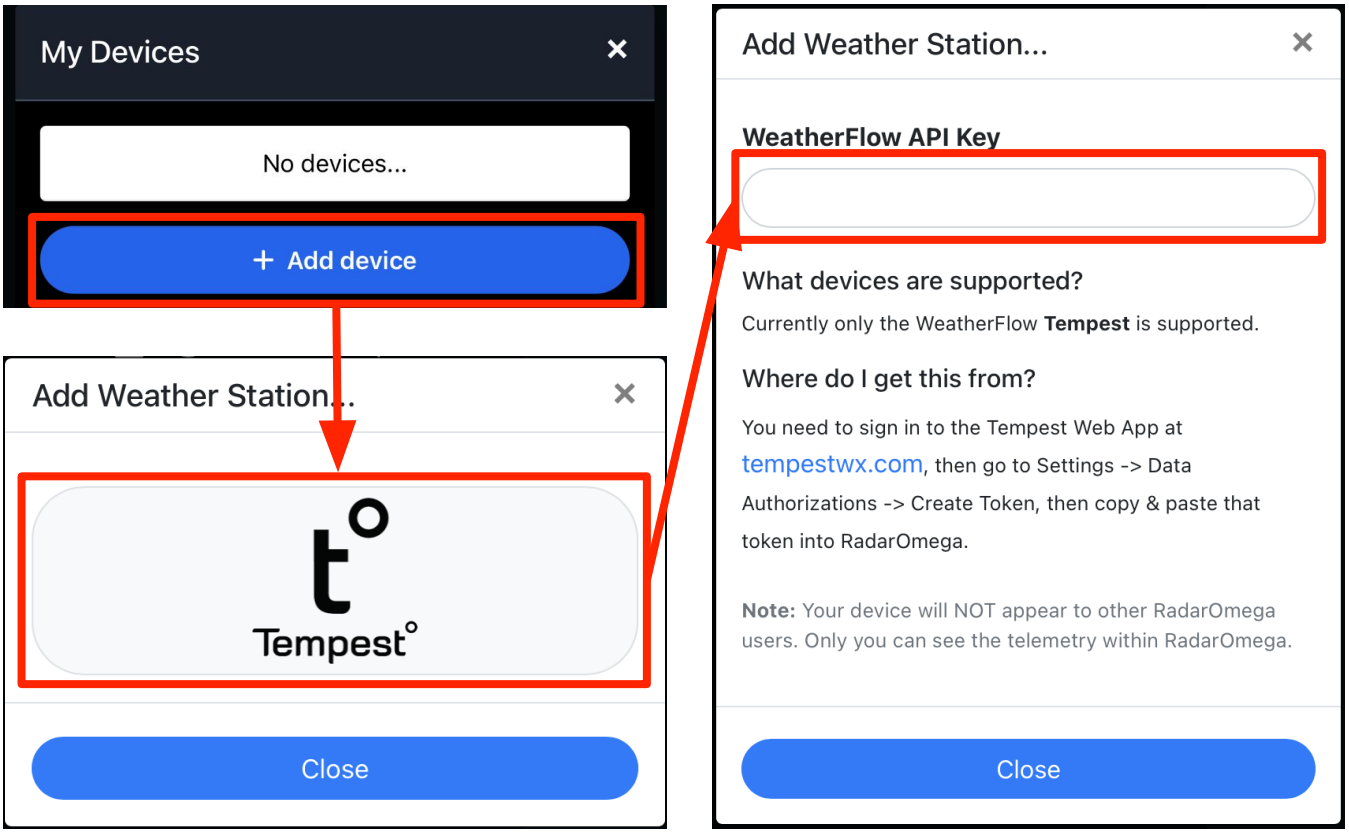


Navigating the Side Menu

cyclonePORT - Device Settings[G][B][A]

If you have a Tempest weather station, you can integrate the station into RadarOmega so that you can view its data. This is done by tapping on “Device Settings” in the “cyclonePORT dropdown in the side menu, tapping “Add Device”, then tapping “Tempest” and entering the API Key. Keep in mind that this data will not be publicly available - only you will be able to see data from the station.

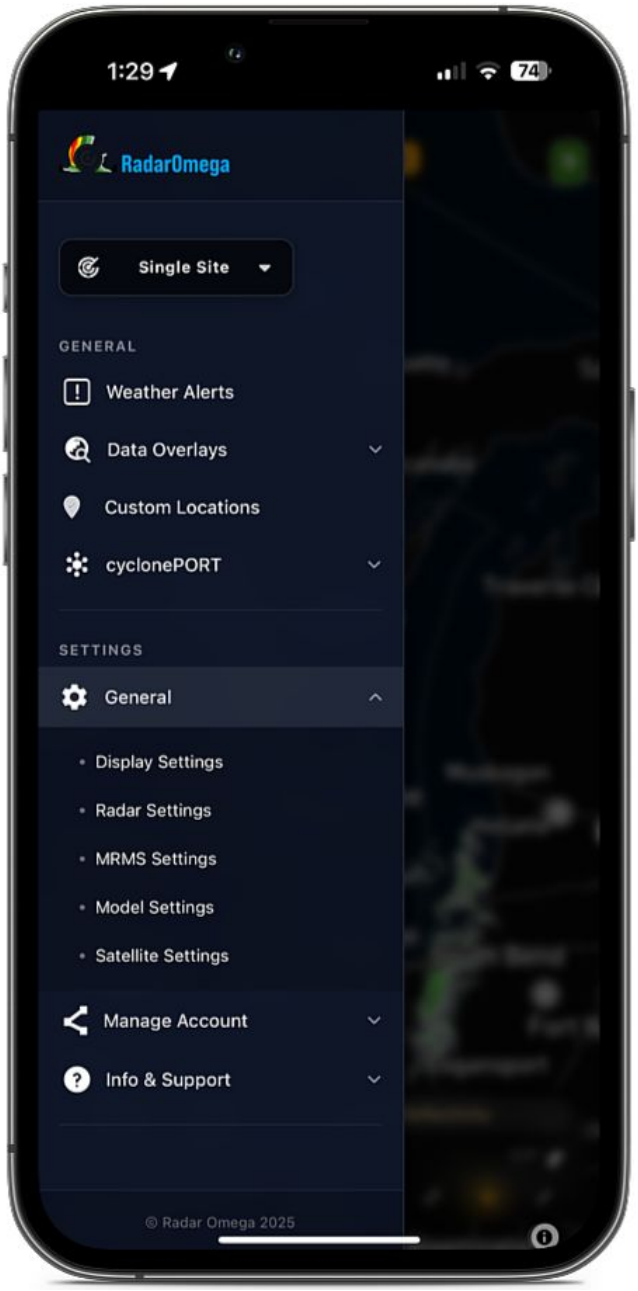




Navigating the Side Menu

Settings • General

The Settings section of the side menu is where you will find and make adjustments to settings for all modes of the app.



Navigating the Side Menu

General - Display Settings

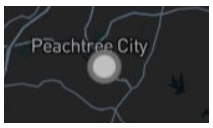
The Display Settings menu, found under the Control Panel section in the side menu, allows the user to customize all aspects of the RadarOmega display.

Use these options to customize the appearance of state and county lines. Tap the colored dot next to a slider bar to open the color selector tool.

Change this setting to adjust when the City & Road Layer is shown. The default is “Show When Towers are ON”, which refers to single-site radar towers. Other options are “Show When Towers are OFF” and “No City & Road Layer.

Toggles on/off TDWR Radar Towers (see page 18 for more info on TDWR radars)

Select this option to change the appearance of radar sites from dots to their specific tower codes.



Default Appearance

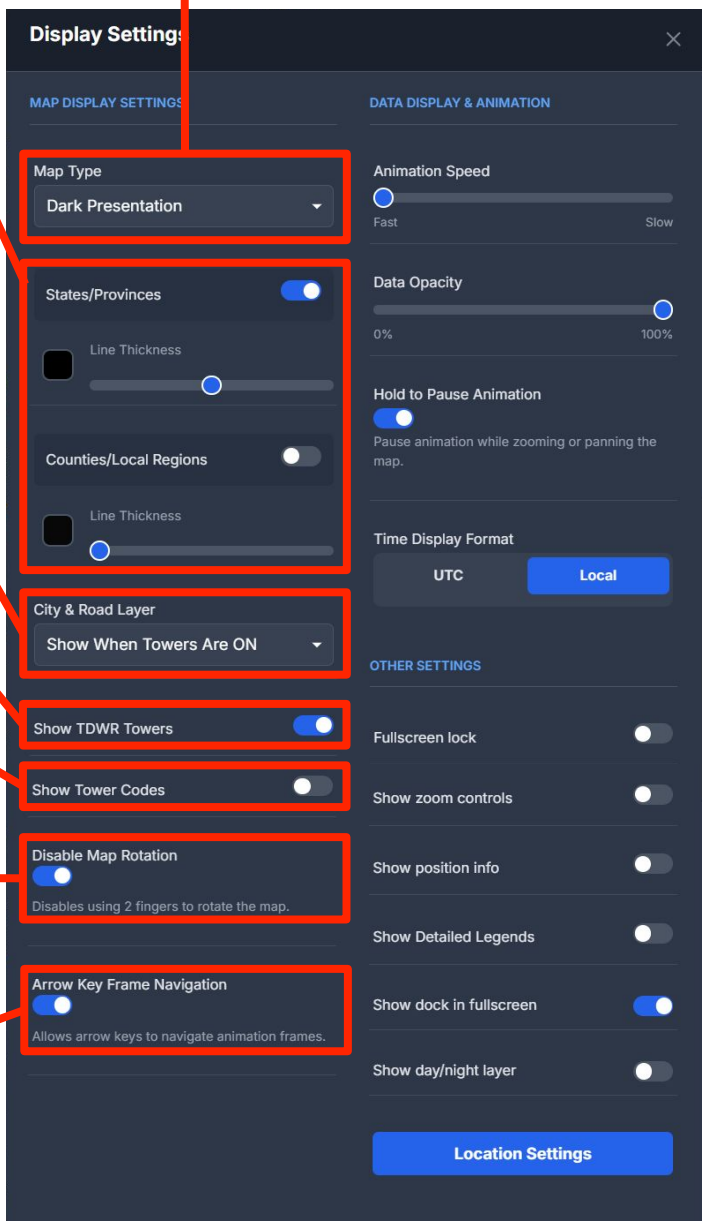


“Show Tower Codes” Enabled

Disables the two-finger rotation gesture allowing the display to rotate

When selected, this option will allow arrow keys to move through animation frames. When not selected, the arrow keys can be used to move the map display.

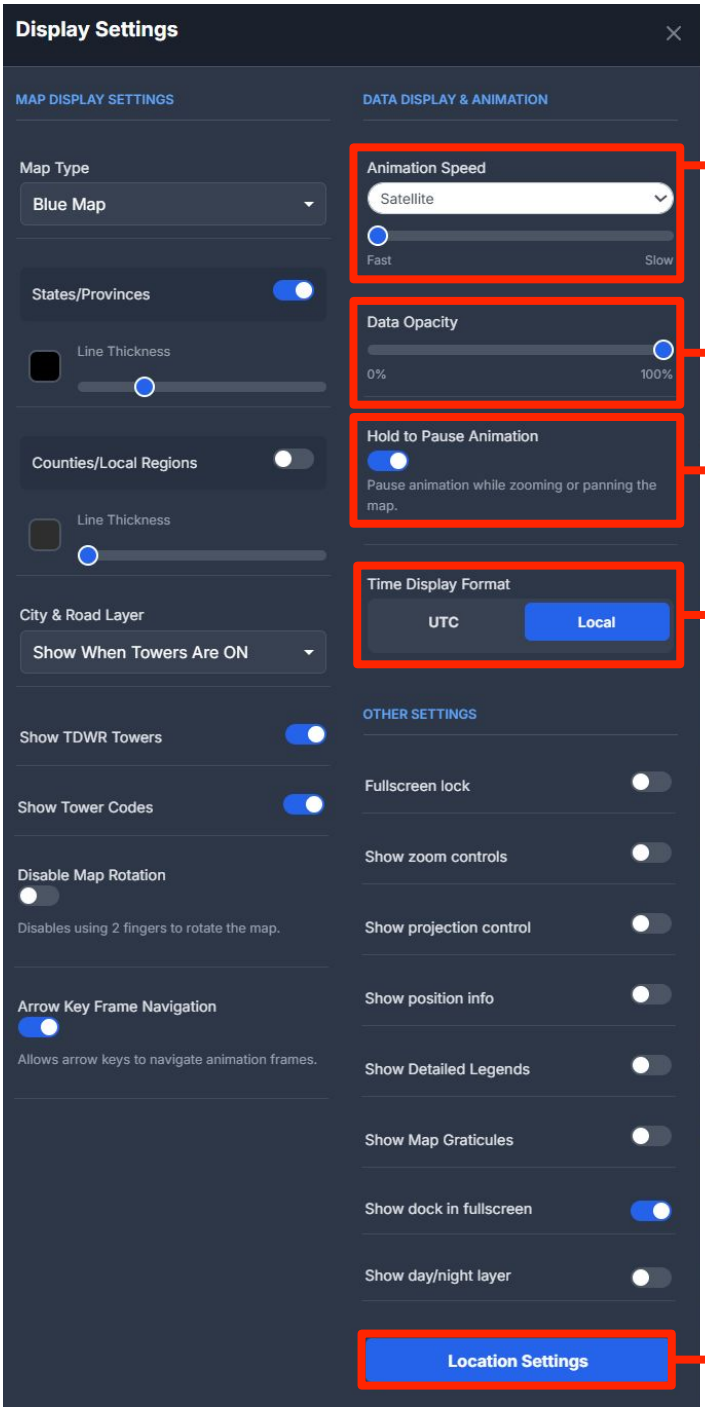
Use this menu to change the appearance of the background map. There are 11 different map types: Dark/Grey/Green Presentation, Blank White, Satellite, Basic, Blue Map, Road Network, Dark Roadmap, Terrain, and Satellite Cities Only.



Navigating the Side Menu

General - Display Settings

The Display Settings menu, found under the Control Panel section in the side menu, allows the user to customize all aspects of the RadarOmega display.



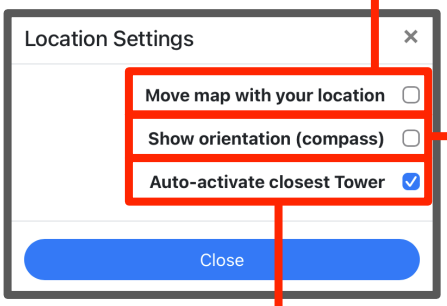
This slider adjusts the playback speed of the selected data type. Choose the data type that you would like to adjust the playback speed for from the dropdown. Left is faster, right is slower.

This slider adjusts the opacity of the data. Set all the way to the right for full data opacity, or all the way to the left for 0% data opacity. Note that **YOU WILL NOT SEE DATA** if this slider is set to 0%.

When enabled, tapping and holding on the display while data is animating will cause the animation to pause until the tap is released.

Use this option to change between Universal Coordinated Time (UTC/Zulu) and local time throughout RadarOmega.

With this option enabled, the map will be fixed to your current location. Either disable your current location or disable this option to view other parts of the map.



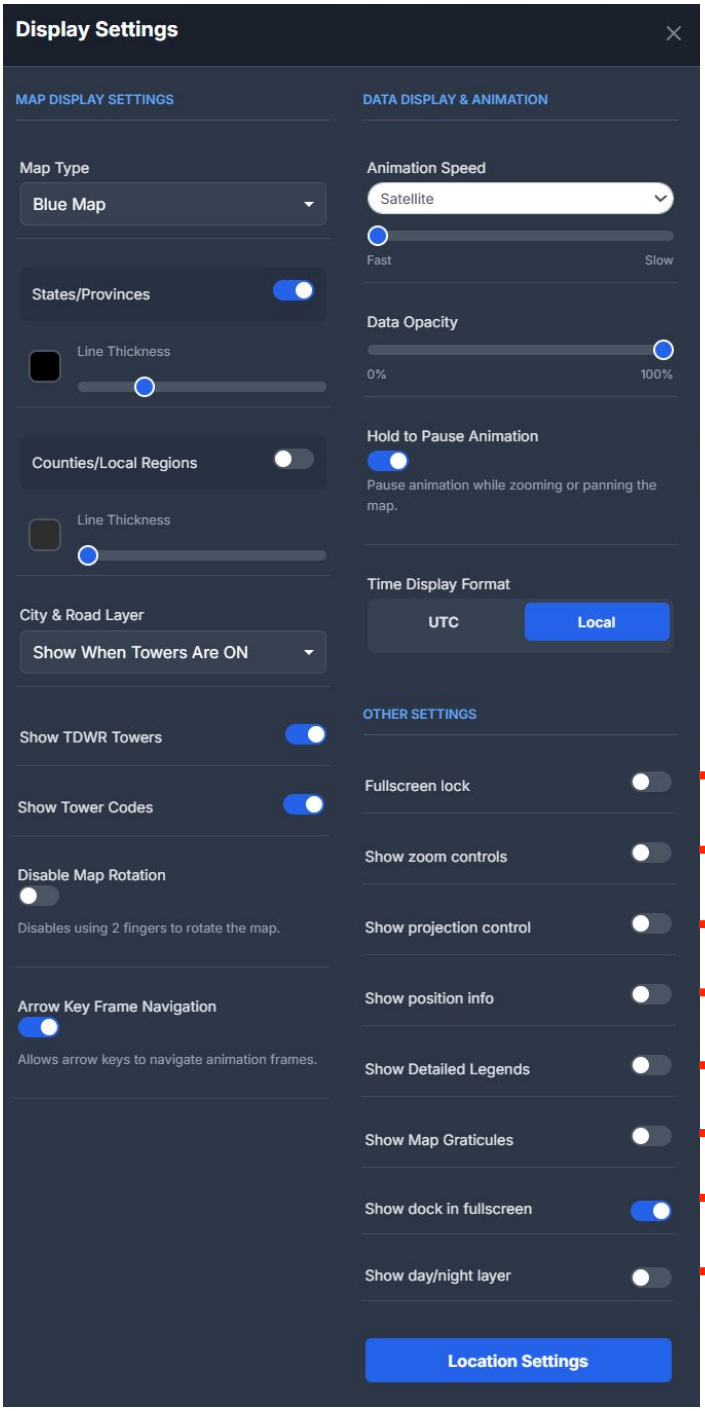
Turn this option on to show the direction you are facing on the display.

With this option enabled, the closest tower to your location will automatically activate upon opening RadarOmega.

Navigating the Side Menu

General - Display Settings

The Display Settings menu, found under the Control Panel section in the side menu, allows the user to customize all aspects of the RadarOmega display.



Toggles ability to enter fullscreen mode by pressing and holding on screen

Toggles zoom controls in top right corner

Toggles globe projection icon in top right corner

Displays coordinates based on cursor position. On desktop, clicking with this option enabled will copy the coordinates to your clipboard.

Toggles the color bars at the top of the screen

Toggles likes of constant latitude and longitude on the map

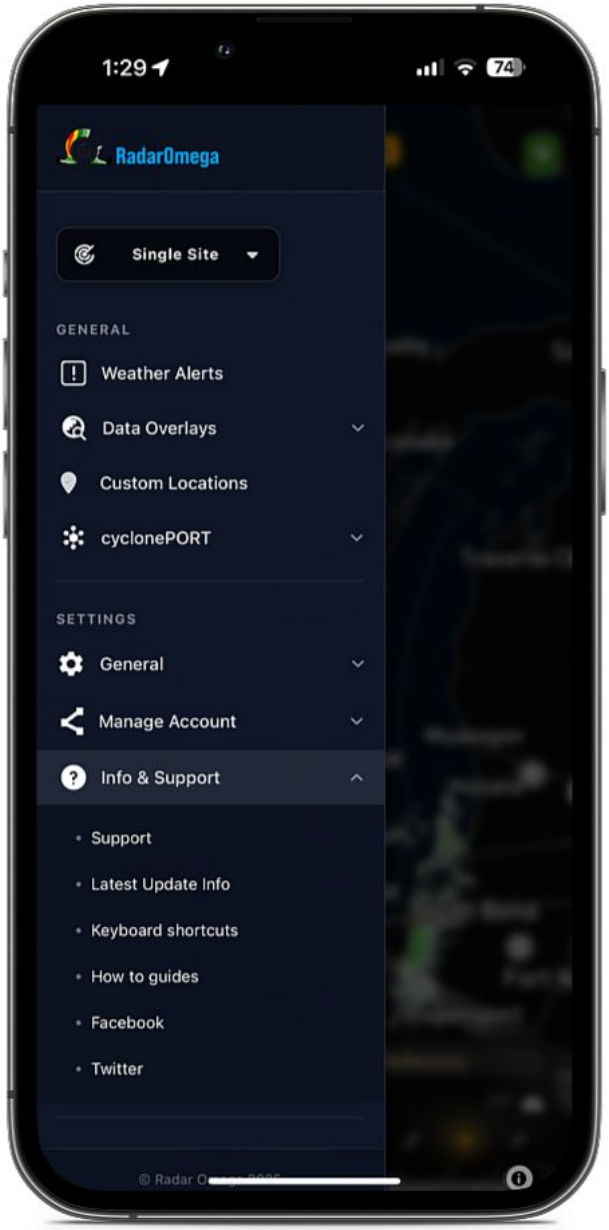
Toggles bottom menu visibility while in fullscreen mode

Toggles on a day/night time layer

Navigating the Side Menu

Settings • Info & Support

In Info & Support, you'll find out how you can contact us if you need help with anything related to RadarOmega. You'll also find other helpful information on how to use RadarOmega, as well as links to our socials.

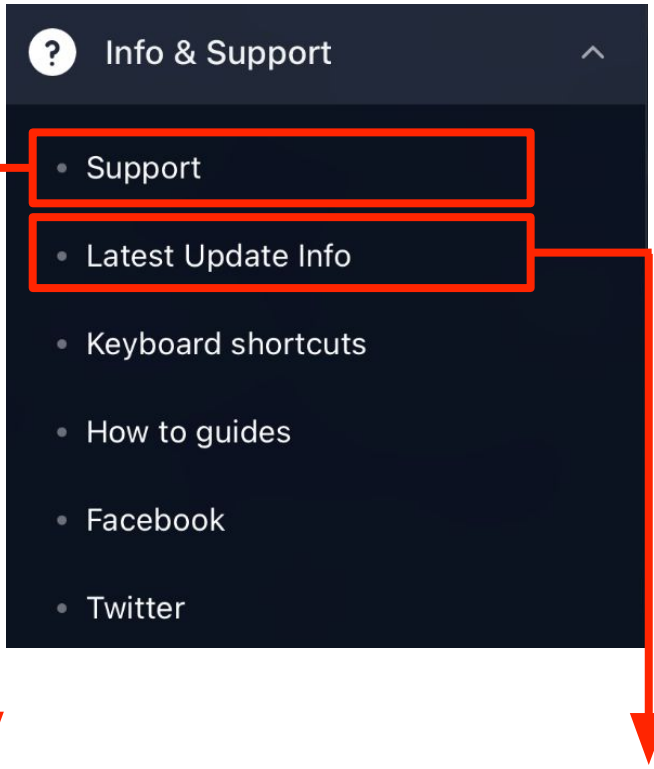


Navigating the Side Menu

Info & Support

If you have any questions related to RadarOmega, or are encountering issues that you need help with, you can find the link to our support channel in the Info & Support section.

You will also find links to how-to guides and social media pages can be found here, as well as general information which may be helpful in improving your experience such as details about the latest update or keyboard shortcuts.



Contact us through our support line

Option to reset back to base settings

Option to send debug data, if necessary during support process

Current RadarOmega version

