



Platform User Guide 2026 Edition

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Weatherstem Platform User Guide 2026

Welcome to Weatherstem! Learn how to access your station, explore key features and set alerts with ease.

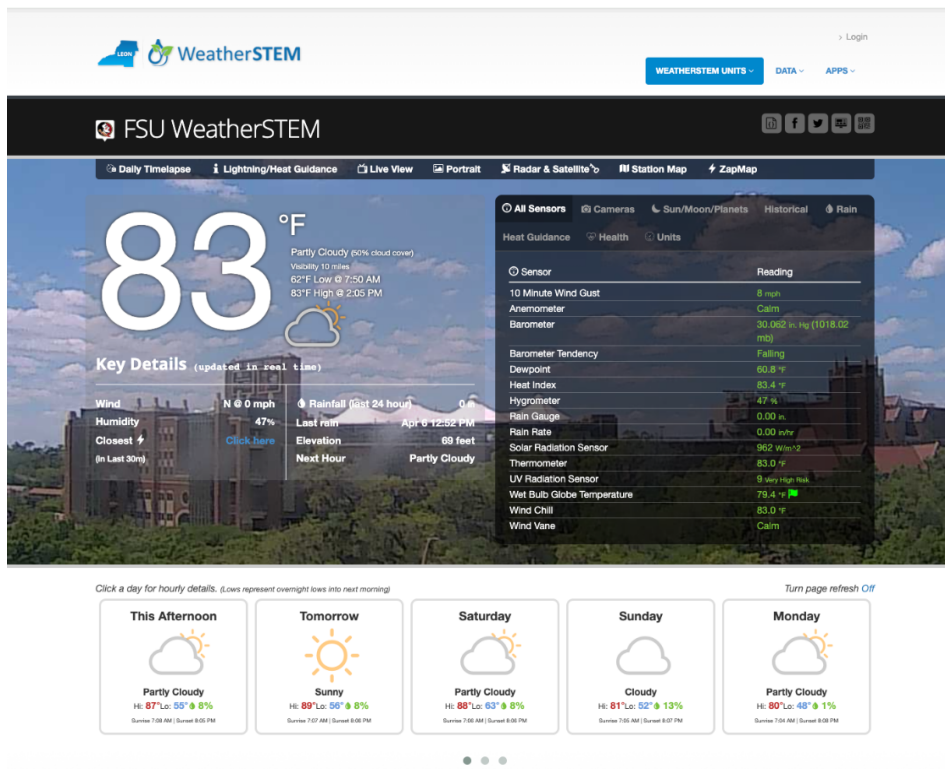
ACCESS YOUR WEATHERSTEM STATION

Visit your station using your county name:

yourcounty.weatherstem.com

Example:

leon.weatherstem.com



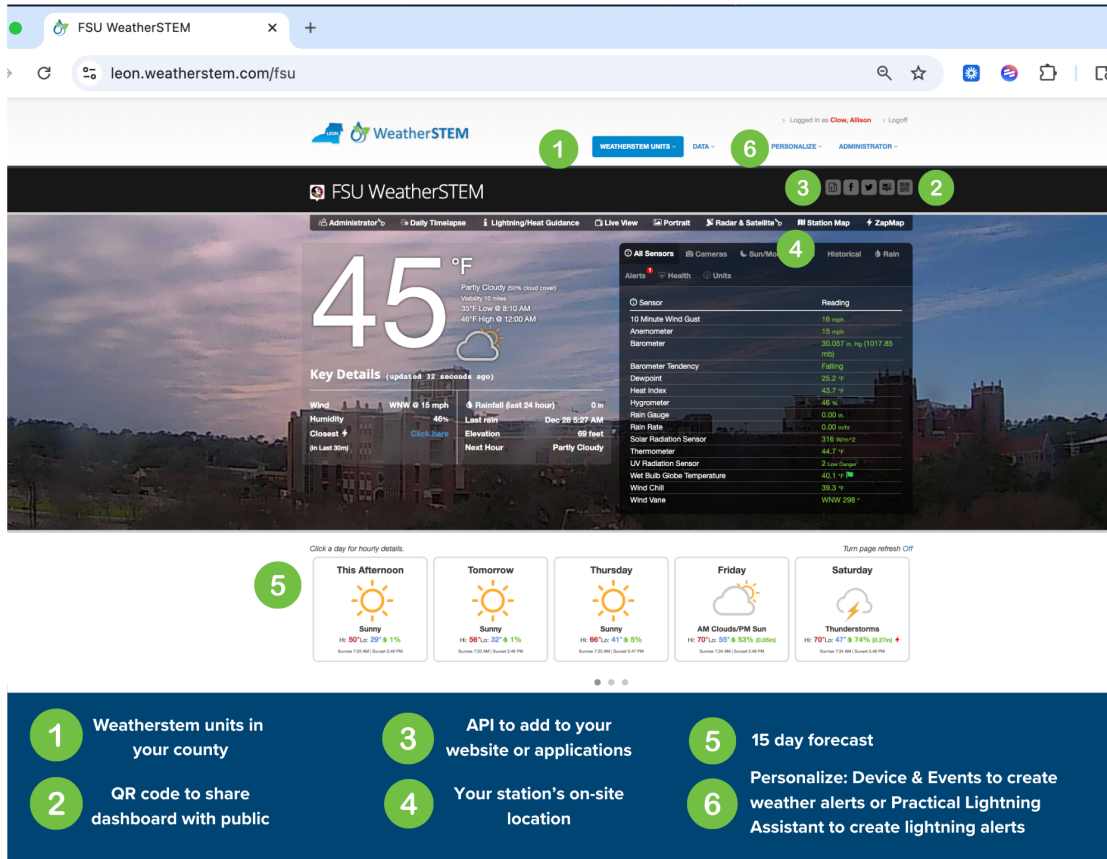
Example Weatherstem station homepage

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KEY FEATURES

An overview of the main tools available on your station homepage.

Key Features of Weatherstem Dashboard



Example Weatherstem dashboard with key features highlighted

NAVIGATION OVERVIEW

Top Right Icons



1. **API**- Access and integrate your Weatherstem data into other platforms in real time
2. **Facebook**- Visit and Like your station's facebook page
3. **Twitter**- Visit and Follow your station's twitter page

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4. **Weatherstem Dashboard**-Learn more about this feature on Page 16.
5. **QR Code** Scan to instantly access your station on your phone or share it with others

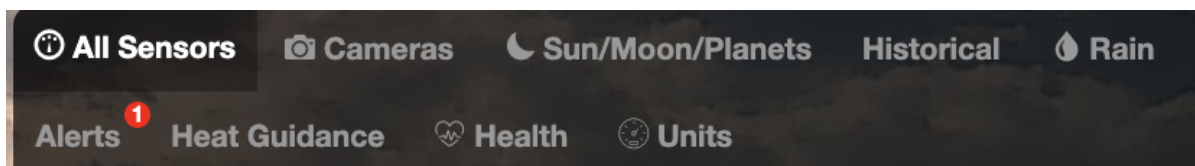
Top Bar Features

Monitor conditions, view cameras, and explore weather tools.



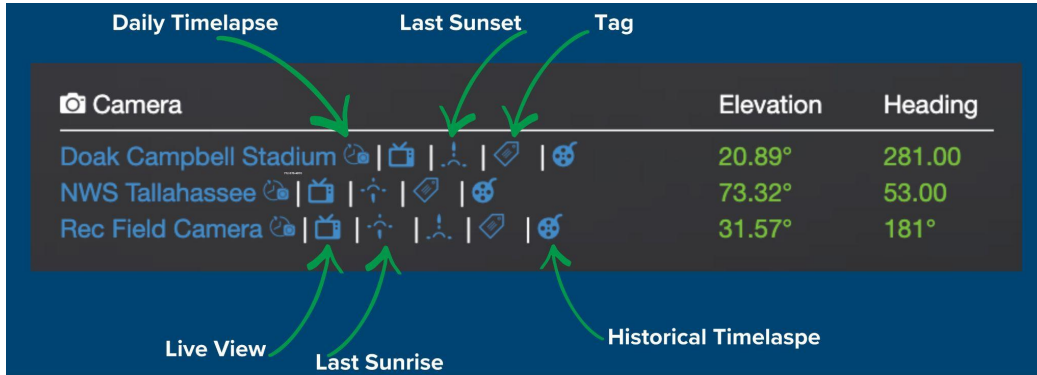
- **Daily Timelapse**- Watch the past 24 hours at your camera location in seconds.
- **Lightning/Heat Guidance**
 - ❖ Closest lightning strike in the last 30 minutes
 - ❖ WBGT (heat stress) from the past hour
 - ❖ Built-in safety guidance for both
- **Live View**- View real-time conditions through your station's live camera feed.
- **Portrait**- View your custom-painted station.
- **Radar & Satellite**- Track past, current and future weather with multiple overlay options.
- **Station Map**- See the exact location of your Weatherstem station.
- **ZapMap**- Experience real-time lightning strikes. Turn on your volume to hear lightning strikes as they occur.

Right Side Features



- **All Sensors**- Real-time sensors update every 0.8 seconds, providing near-instant conditions.
- **Cameras**- Access camera views, including live feed, timelapse and snapshots.

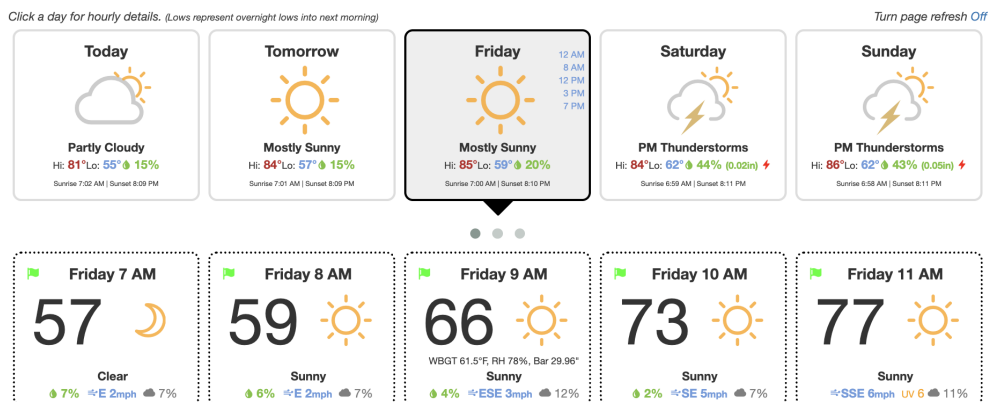
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- **Sun/Moon/Planets-** Explore solar, lunar, and planetary information here.
- **Historical-** View historical data for this unit (See more under Data Mining on Page 5).
- **Rain-** View rainfall totals and accumulation over time.
- **Alerts-** See active alerts based on current conditions, including thunderstorm, heat and NWS warnings.
- **Heat Guidance-** View recent lightning activity and WBGT readings along with safety guidance.
- **Health-** See how current weather conditions may affect daily activities and personal comfort.
- **Units-** Customize how weather data is displayed, including temperature and wind speed.

Forecasts

Find your station's forecast at the bottom of the page. Scroll through the 15-day forecast, click a day for hourly details, and select an hour for more info.



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GET LOGGED IN

Access your account to manage alerts and features.

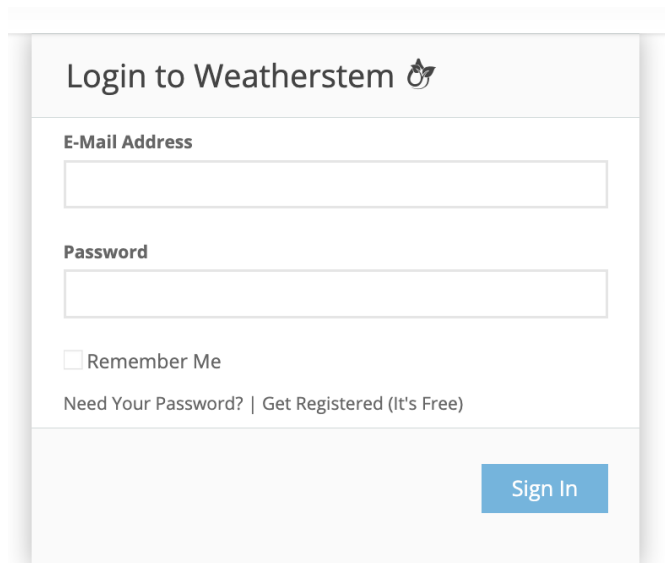
1. Click “**Login**” in the top right corner of any Weatherstem page.
2. Enter your email and password

New User? Create a free account directly from login page.

Each system includes at least one administrative user who can:

- Manage alerts
- Access additional features

Update Your Password: Click your name in the top right corner while logged in to update password.

A screenshot of the Weatherstem login form. The form is titled "Login to Weatherstem" with a small icon of a leaf and a gear. It contains two input fields: "E-Mail Address" and "Password". Below the password field is a checkbox labeled "Remember Me". At the bottom of the form, there is a link that says "Need Your Password? | Get Registered (It's Free)". A blue "Sign In" button is located at the bottom right of the form.

NAVIGATING THE PLATFORM

Use the top Navigation Bar to explore and access different areas of the platform.



Hover over “WEATHERSTEM UNITS” to view all sites in the county. Click any site to open that station’s homepage.

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DATA MINING

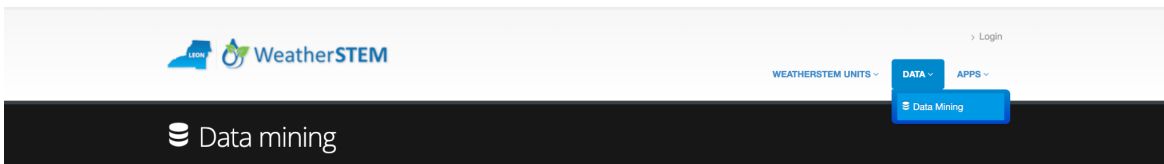
Access, analyze, and download your station's historical data. All sensor measurements and images are captured and stored each minute,

What You Can Do

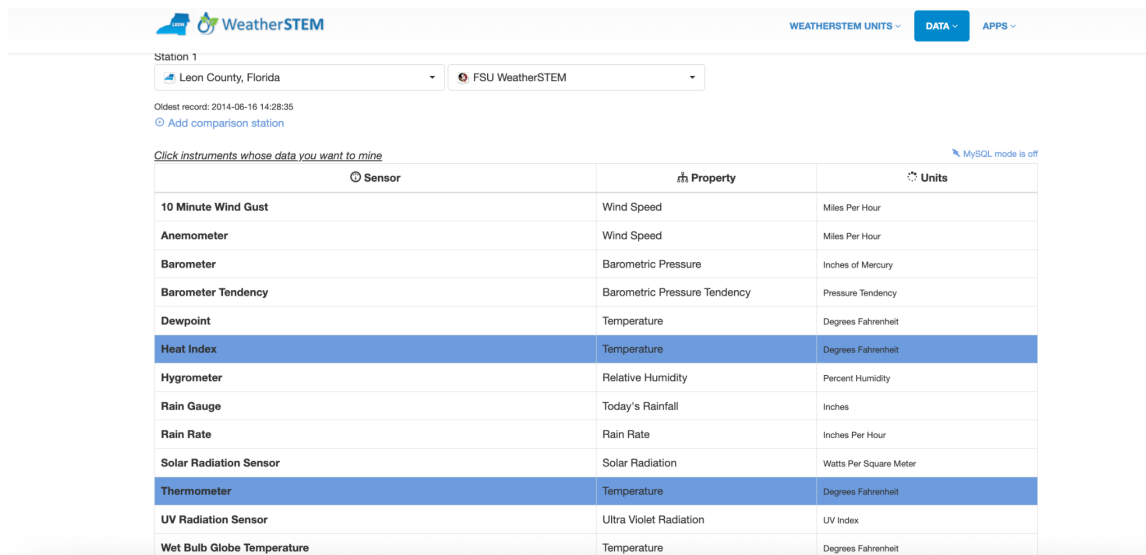
- View past weather conditions
- Analyse trends over time
- Download data as tables, graphs, or spreadsheets
- Access archived images and timelapse data

How to Use Data Mining

1. Select "Data Mining" under Data tab
2. Select the station(s) you want to view



3. Select the data you want to view.



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4. Choose your date, time range, output format and submit to generate results

The screenshot displays the Weatherstem platform's configuration interface. It includes a date range selector (FROM: 04/14/2026, TO: 04/23/2026), a calendar view for April 2026, and a time range selector (10:45 AM). The output format is set to CSV, and the interval is set to Minute. The time format is set to YYYY-MM-DD HH:mm. The operation is set to Data point. The Include Record ID checkbox is checked. A Submit button and a Download link are visible.

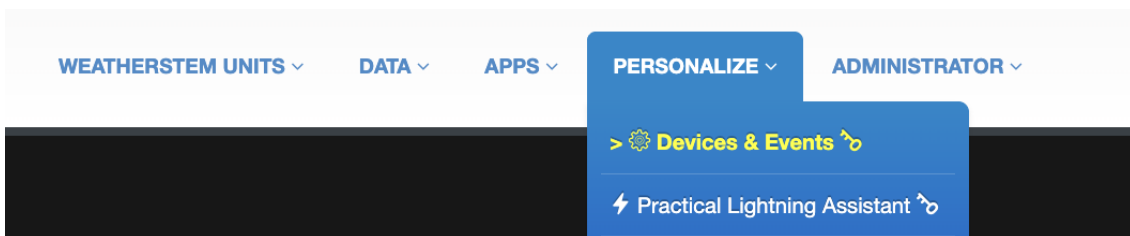
Admin Feature: Create your own time lapse videos from this page.

*Timelapses can be created for a maximum of 48 hours

The screenshot shows the 'Optional video creation' section. It includes a dropdown menu for the location (Florida State Capitol), a frame rate selector (18 frames per second), an 'Add sound' button, and a 'Make Movie' button.

MANAGING YOUR DEVICES

Add, update, and manage devices to ensure alerts reach the right people at the right time.



All notifications are managed under the “Personalize Tab” in your Weatherstem Account

Add a Device or Device Bundle

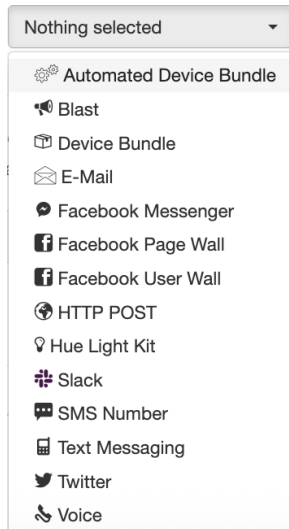
This is where the alerts will be sent.

- Go to Personalize → Devices & Events
- Click “Add Device” and Untitled Device will appear in your list

The screenshot shows a table with one row. The first column contains 'Untitled Device 1' and a 'Confirm device' link. The second column contains a dropdown menu with 'Nothing selected'.

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- Click on “Untitled Device” to name the device and click the blue box to save
- Choose a device type from the drop down.

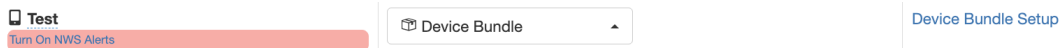


- Enter the required information (excluding device bundles), then click the blue button to save.
- Confirm your device by clicking the button located beneath its name.
 - A verification message will be sent via text or email
 - Follow the prompts to complete setup.

Create a Device Bundle

Send alerts to multiple users at once. Ideal for teams, staff, or departments

- Select device bundle from the dropdown.
- Click on “Device Bundle Setup” on the right side.



- A new tab will open for managing your list.

Active	Co-Owner	Name	E-Mail Address	Current Push Devices	SMS Number
This device bundle has no entries					

[Add user](#) | [Import](#) | [Export](#) | [Broadcast](#)

Target

E-Mail and Push Devices Only ▾

☐ Allow user inactivation

E-Mail Address

E-Mail Address

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- Add User:
 - Click “Add User” to enter users individually
 - If a user does not have an account, you will be prompted to create one
 - Enter their name, email address, and a temporary password.
- Manage Users:
 - Co-Owners can edit alerts
 - Users with the Active box checked will receive alerts
 - Unchecking the box makes them inactive
 - Click the red “X” to remove a user

	Active	Co-Owner	Name	E-Mail Address	Current Push Devices	SMS Number
✕	☒	☐	Demo User	demo@weatherstem.com	None	None

[Add user](#) | [Import](#) | [Export](#) | [Broadcast](#)

- Add Users in Bulk:
 - Select import to upload a spreadsheet
 - Columns must be in this order: first name, last name, email and phone number
 - After uploading you’ll be prompted to create accounts for new users and they will receive a temporary password via email
- Target – Choose how alerts are delivered
 - Email
 - Push notification
 - SMS
 - Or all three

	Active	Co-Owner	Name	E-Mail Address	Current Push Devices	SMS Number
✕	☒	☐	Demo User	demo@weatherstem.com	None	None

[Add user](#) | [Import](#) | [Export](#) | [Broadcast](#)

Target:

- ☒ E-Mail and Push Devices Only
- ☐ E-Mail Only
- ☐ Push Devices Only
- ☐ SMS Only
- ☐ E-Mail and SMS Only
- ☐ Push and SMS Only
- ☐ E-Mail, Push, and SMS

- Additional Options:
 - Export-Download your current user list.
 - Broadcast – Send a custom message to all users
 - Allow User Inactivation – Lets users remove themselves from the list

Setting Up Push Notifications

1. Download the Weatherstem App
2. Allow location and notifications when prompted
3. Select one or more stations to follow
4. Tap continue
5. Open the menu (≡) in the top left
6. Select Notifications
7. Log into your account
8. You are not set to receive push notifications.

*Once enabled, your device will appear under the Mobile Devices column

National Weather Service Notifications

1. Go to your Devices Page
2. Click “Turn on NWS Alerts” under your device
3. Select the station(s) you want alerts for

SETTING UP NOTIFICATIONS

Get alerts for lightning, heat, rain, and more, sent directly to your devices.

Go to Personalize → Devices & Events

- Select the Events Tab
- Click Add Event
- Rename your event and click Save

⚠ Looking for lightning alerts? Please contact info@weatherstem.com for information about our [Practical Lightning Assistant](#) which is a paid service.

[Devices](#) [Events](#) [Messages](#) [Macros](#)

EVENTS [Add event](#)

Event	Type	Configuration
⌚ Untitled Events 1	Nothing selected ▾	

Configure Your Alert

- Choose a type:
 - Sensor: triggers when conditions are happening now
 - Forecast triggers based on expected conditions

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Devices Events Messages Macros

EVENTS

Add event

Event	Type	Configuration
Wind Speed 39 mph or above	Sensor	Leon County, Florida

IMPORTANT NOTICE: Use of this feature occurs with no warranty of accuracy or reliability. If you are using this feature to make decisions related to safety, you should contact support@weatherstem.com and initiate the appropriate service-level agreement.

- Expand the county, site and ISS by clicking the triangle.

EVENTS

Add event

Event	Type	Configuration
Wind Speed 39 mph or above	Sensor	Leon County, Florida - Apalachee Regional Park - Ballard Partners - Challenger Learning Center - Chiles High School - Florida A&M University - FSU Lakefront Park - FSU Rec SportsPlex - FSU WeatherSTEM - Console - ISS - Anemometer

Trigger when Anemometer reading is:
greater than or equal to 39 mph

Set

- Select a sensor
- Enter your threshold
- Click “Set” to save

Create a Message

What your alert will say

- Go to the Messages tab
- Click Add Message

Looking for lightning alerts? Please contact info@weatherstem.com for information about our [Practical Lightning Assistant](#) which is a paid service.

Devices Events Messages Macros

MESSAGES

Add message

Message	Content
Untitled Messages 1	Enter a message

IMPORTANT NOTICE: Use of this feature occurs with no warranty of accuracy or reliability. If you are using this feature to make decisions related to safety, you should contact support@weatherstem.com and initiate the appropriate service-level agreement.

- Click “Untitled Message” to rename and blue box to save
- Enter your message

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△ Looking for lightning alerts? Please contact info@weatherstem.com for information about our [Practical Lightning Assistant](#) which is a paid service.

[Devices](#) [Events](#) [Messages](#) [Macros](#)

MESSAGES

Add message

Message	Content
✉ Wind Speed 39 mph or above	Warning: Wind speed 39 mph or above

△ IMPORTANT NOTICE: Use of this feature occurs with no warranty of accuracy or reliability. If you are using this feature to make decisions related to safety, you should contact support@weatherstem.com and initiate the appropriate service-level agreement.

Create a MACRO

Connect your alert, message, and recipients

TIP: Name your event, message, and macro the same

- Go to the Macros tab
- Click Add Macro

△ Looking for lightning alerts? Please contact info@weatherstem.com for information about our [Practical Lightning Assistant](#) which is a paid service.

[Devices](#) [Events](#) [Messages](#) [Macros](#)

MACROS

Add macro

Name	Event	Message	Confirmed Devices	Min Repeat (hours)	Status
⚙ Untitled Macros 1 Hours of Operation Always active	Nothing selected	Nothing selected	Nothing selected	Enter value	☐ OFF

△ IMPORTANT NOTICE: Use of this feature occurs with no warranty of accuracy or reliability. If you are using this feature to make decisions related to safety, you should contact support@weatherstem.com and initiate the appropriate service-level agreement.

- Click “Untitled Macros” to rename and blue box to save
- Choose the Event you’d like to trigger your alert
- Choose the Message you’d like dispatched
- Choose the Device you’d like to receive the notification
 - If you need help setting up Devices, [click here](#)
- Enter the Minimum Repeat. This is how often the notification will be sent out if the threshold is still being met.
- Choose your hours of operations for this notification which is located under the Macro name. It defaults to Always active.
- Turn Status to On

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△ Looking for lightning alerts? Please contact info@weatherstem.com for information about our [Practical Lightning Assistant](#) which is a paid service.

[Devices](#) [Events](#) [Messages](#) [Macros](#)

MACROS

[Add macro](#)

Name	Event	Message	Confirmed Devices	Min Repeat (hours)	Status
 Wind Speed 39 mph or above Hours of Operation Always active	Wind Speed 39 mph or above ▾	Wind Speed 39 mph or above ▾	 Test ▾	1.0	ON

△ IMPORTANT NOTICE: Use of this feature occurs with no warranty of accuracy or reliability. If you are using this feature to make decisions related to safety, you should contact support@weatherstem.com and initiate the appropriate service-level agreement.

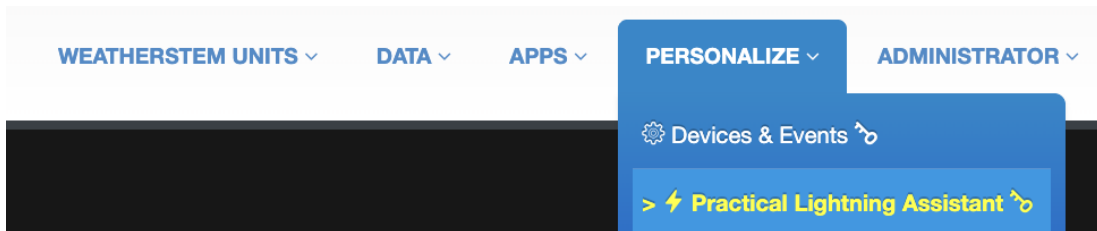
Your alert is now active!

LIGHTNING NOTIFICATIONS

Use the *Practical Lightning Assistant (PLA)* to create location-based lightning alerts

Open the Practical Lightning Assistant

- Go to Personalize → Practical Lightning Assistant



- Click “New Location”
- Enter a name for your location

[Dashboard](#)
[Documentation](#)
[Locations \(2\)](#)

- IOWA CITY ▸
- SOUTHWOOD ▸
- + New Location

[Help](#)

NEW LOCATION

Locations are the places where you want to watch for lightning. Creating a location with the type **Area** will allow you to draw a polygon on the map that will watch for lightning happening inside of it. **Point** will let you select a place and create a watch radius around it.

Location Name

Type

Nothing selected ▾
Area
Point

Create Location

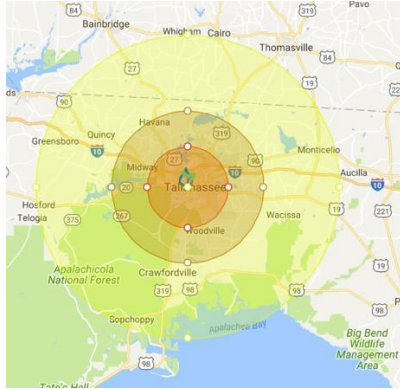
Choose a Location Type

Select how you want to define your alert area:

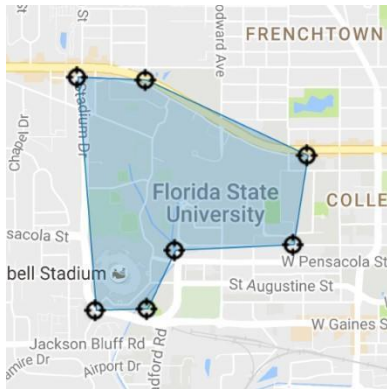
- Point – Creates a central point with radius-based alert zones (circles)

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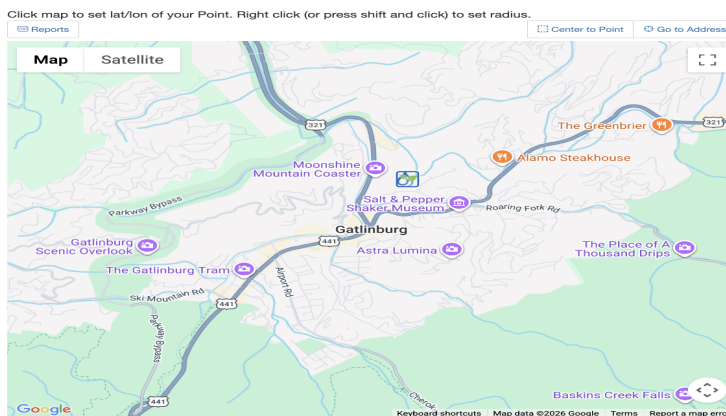
- Area – Create a custom shape using points on the map



Use area for irregular boundaries

Set Location

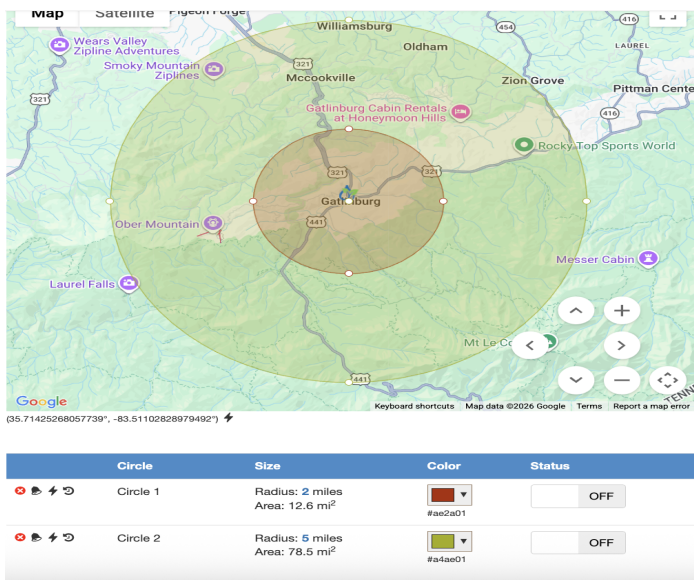
- Click Create Location
 - Position your location:
 - Drag the WeatherSTEM icon on the map
 - OR click Go To Address to enter a specific location



Create Alert Zones

If using Point Mode:

- Right-click (or control + click) to create circles
 - Click underneath to create circles
- Click the radius value (in blue) to adjust size
- Assign colors to organize circles (Optional)
- Toggle zones on/off using the status option



If using Area Mode:

- Click on the map to create a shape
- Continue clicking to add points
- Drag to reposition the shape

Configure Notifications

- Click a bell icon on a zone
- Select your device or device bundle
 - If you need help setting up Devices, [click here](#)
- Select “No repeat until all clear” to receive only one alert
 - Prevents repeated alerts for each lightning strike
- Select “Inner Circle Override”
 - Prevents duplicate alerts from the same lightning strike
 - Recommended for outer zones
- Enter alert and all clear messages
- Choose “Attach Link to Notification Summary Page”

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- Displays lightning map and countdown timer to all-clear
- All Clear Interval- Defines how long lightning must stop before sending an all-clear message
- Choose Hours of Operation located under the Inner circles override. It defaults to Always active.

Circle	Size	Color	Status
 Circle 1	Radius: 2 miles Area: 12.6 mi ²	 #ae2a01	ON

Notification 1 for Circle 1 

☒ No repeat until after all clear
☒ Inner circles override
[Hours of Operation](#)
 Always active

Alert message
 Lighting detected, take shelter

All clear message
 Lightning all clear

☒ [Attach link to Notification Summary Page](#)
[Generate QR Code](#) 

 All clear interval

Devices

Test

[Add devices in settings](#)
☒ Cloud to cloud activity
☒ Ground activity

OTHER PLA FEATURES

View alert history (24 hours, 7 days, or 30 days)

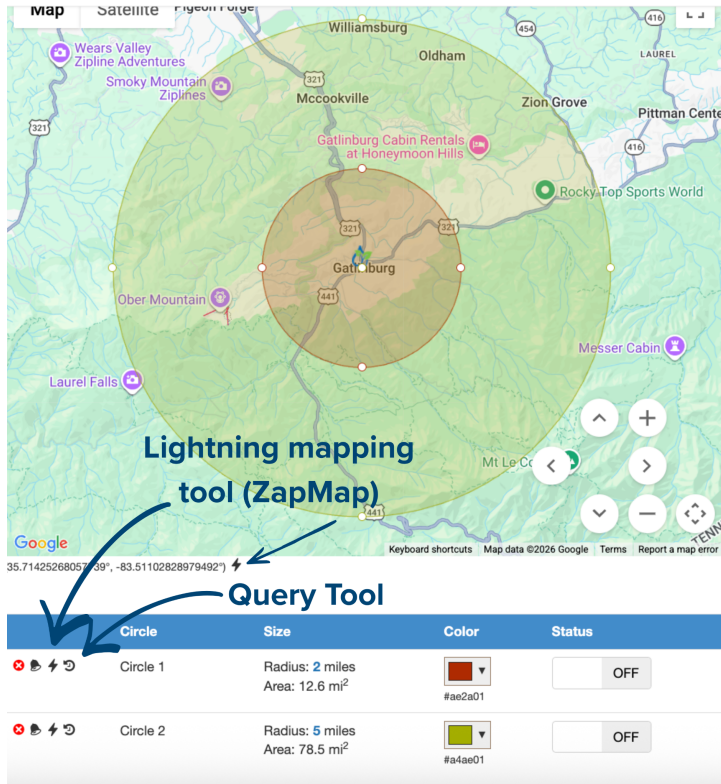
Notification History (Limit 250 records)

Last 24 hours

Time	Event	Device/Content
2026-04-27 04:12:51	Cloud to Cloud strike 19.931 miles from Picher QSA (Circle: Circle 2)	"Heads up! Lightning has been detected within 20 miles of the Picher QSA Field Office. Be prepared to take action per operational guidelines." to QSA Safety Alerts
2026-04-27 04:12:47	Cloud to Cloud strike 19.931 miles from Picher QSA (Circle: Circle 2)	"Heads up! Lightning has been detected within 20 miles of the Picher QSA Field Office. Be prepared to take action per operational guidelines." to Randy's Phone
2026-04-27 04:12:46	Cloud to Cloud strike 24.343 miles from Quapaw Nation EM (Circle: Circle 1)	"Lightning has been detected within 30 miles of the EOC" to Randy's Phone
2026-04-27 01:22:04	No lightning within 10 miles of Picher QSA (Circle: Circle 1) in 30 m	"All clear for lightning. There has been no lightning detected for 30 minutes" to QSA Safety Alerts
2026-04-27 01:22:01	No lightning within 10 miles of Picher QSA (Circle: Circle 1) in 30 m	"All clear for lightning. There has been no lightning detected for 30 minutes" to Randy's Phone
2026-04-27 01:02:37	Cloud to Cloud strike 11.08 miles from Picher QSA (Circle: Circle 2)	"Heads up! Lightning has been detected within 20 miles of the Picher QSA Field Office. Be prepared to take action per operational guidelines." to QSA Safety Alerts
2026-04-27 01:02:34	Cloud to Cloud strike 11.08 miles from Picher QSA (Circle: Circle 2)	"Heads up! Lightning has been detected within 20 miles of the Picher QSA Field Office. Be prepared to take action per operational guidelines." to Randy's Phone

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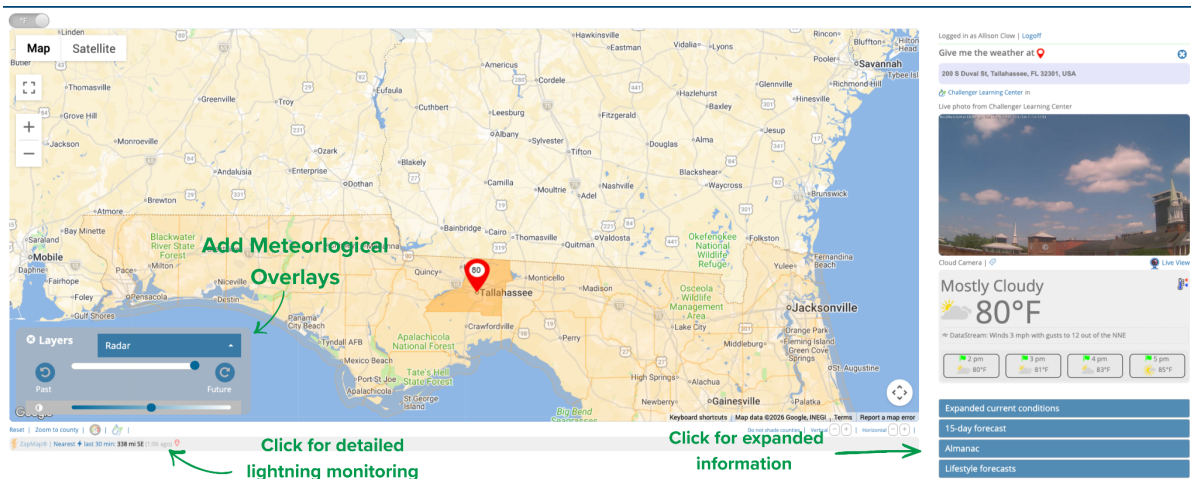
Use the Mapping and Query Tool to investigate lightning events.



DASHBOARD

View and monitor all Weatherstem stations in one place.

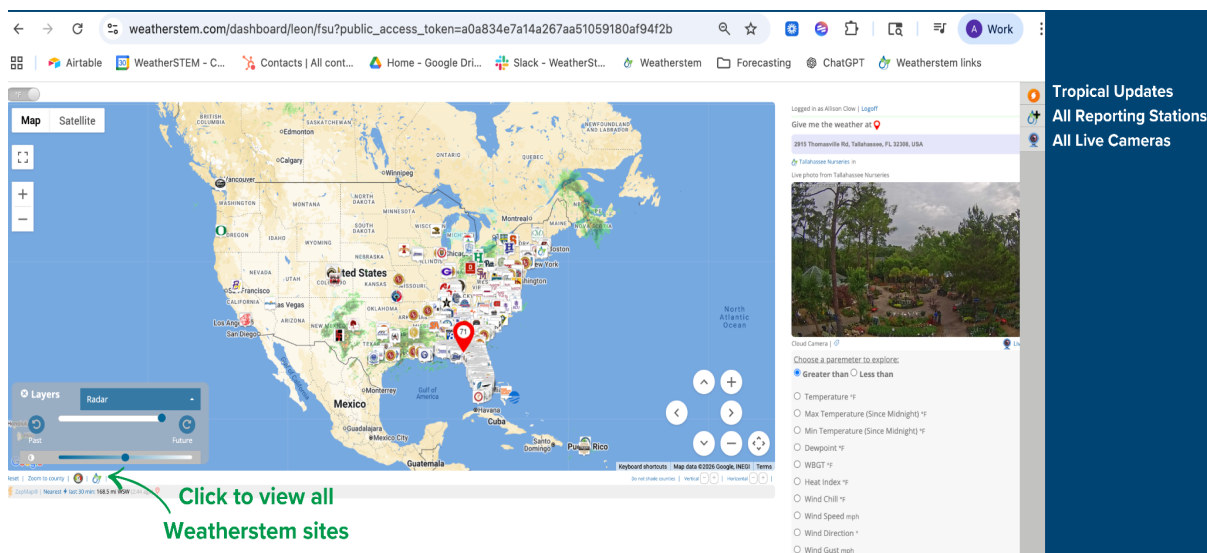
Access the dashboard by clicking the link from your station's homepage or visiting:
weatherstem.com/dashboard



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What You Can Do

- View all Weatherstem stations on an interactive map
- Monitor current conditions across multiple locations
- Add weather overlays for enhanced situational awareness
- Click any station for detailed information



WEATHERSTEM EDUCATION RESOURCES

Explore Weatherstem's library of learning tools and curriculum

Visit <https://www.weatherstem.com/learn>

Available Resources

- Weather lesson plans
- Interactive learning modules
- Educational videos and activities

*These resources are great for classrooms, training, and community outreach



SUPPORT

- Training and Onboarding Support
 - Email: support@weatherstem.com
 - Phone: 850-297-1800 x 713
- Hardware and Field Support
 - Email: techsupport@weatherstem.com
 - Phone: 850-297-1800 x700
- Expansion
 - Email: connect@weatherstem.com
 - Phone: 850-363-3442
- Meteorology Services
 - Email: media@weatherstem.com
 - Phone: 850-297-1800 x714
- Billing, Paperwork, and General Account Questions
 - Email: accounting@weatherstem.com
 - Phone: O: 850-297-1800 x 702 | D: 850-570-0110
- General Questions/Support
 - Email: info@weatherstem.com
 - Phone: 850-297-1800