

Tornado Risk & Radar Coverage Analysis Dashboard

User Guide

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Overview

This tool shows tornado risk and radar coverage across different regions in the United States. It helps you see where tornado activity is higher and where additional radar support may be needed.

Getting Started

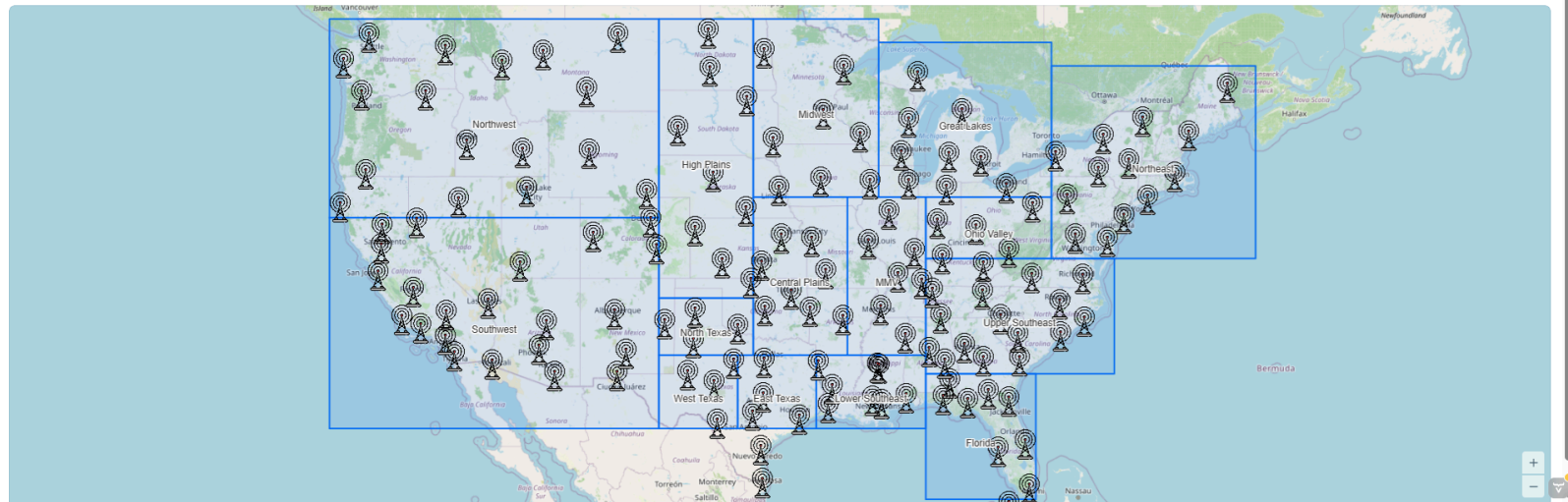
≡ Main View

Tornado Risk & Radar Coverage Analysis Dashboard

Map Type

▼

Map Legend:



- Open the application.
- You will see a map of the United States with regions outlined in blue. This is the home page.
- At the top, under the title, find the **“Map Type”** dropdown to choose a view

How to Choose a View

1. Click the “**Map Type**” dropdown
2. Select a view:
 - Risk View
 - Radar Need View

☰ Main View

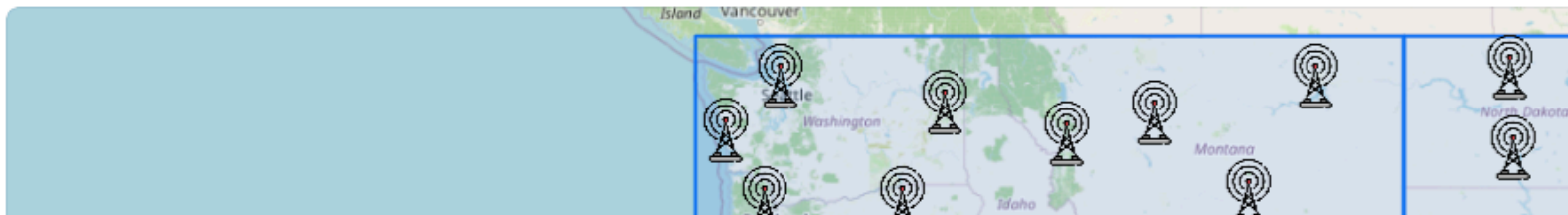
Tornado Risk & Radar Coverage Analysis Dashboard

Map Type

Apply

▼

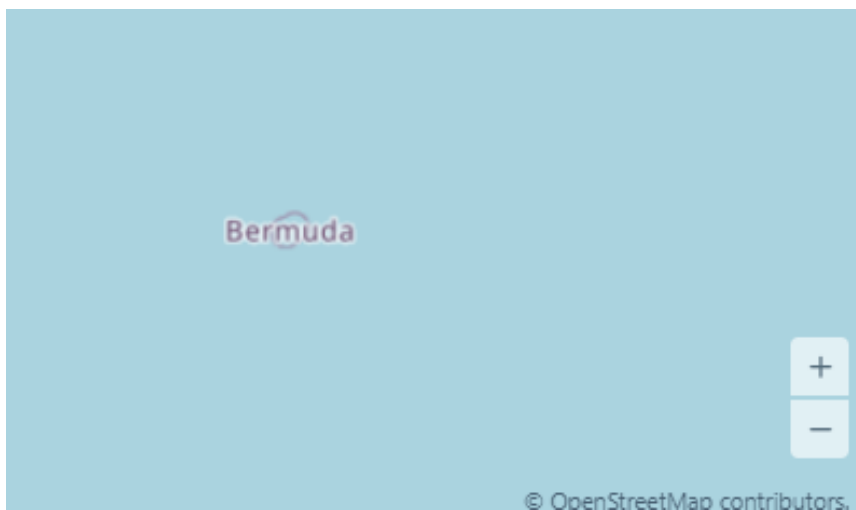
- Risk View
- Radar Need View



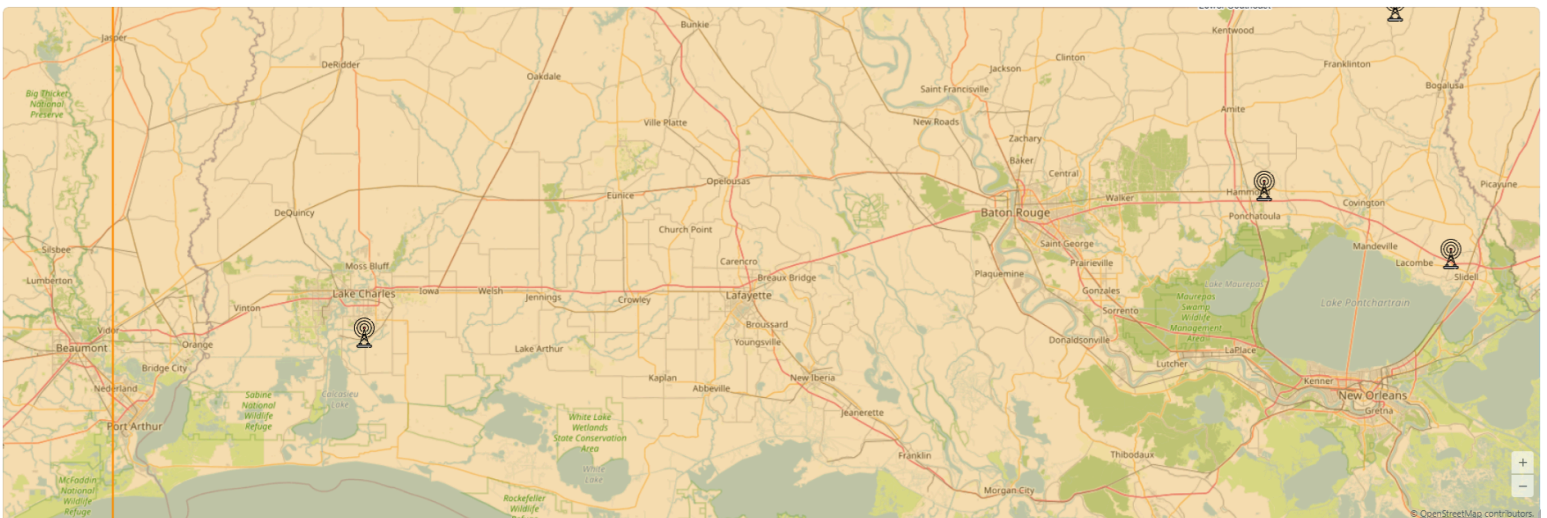
3. Click “**Apply**”
4. The map will update based on your selection

Zooming the Map

- You can zoom in and out to get a closer look at specific areas
- Use the + and – buttons on the map
 - These are located in the bottom right corner of the map
- You can also use your mouse scroll wheel to zoom



Zooming in lets you look more closely at specific regions.



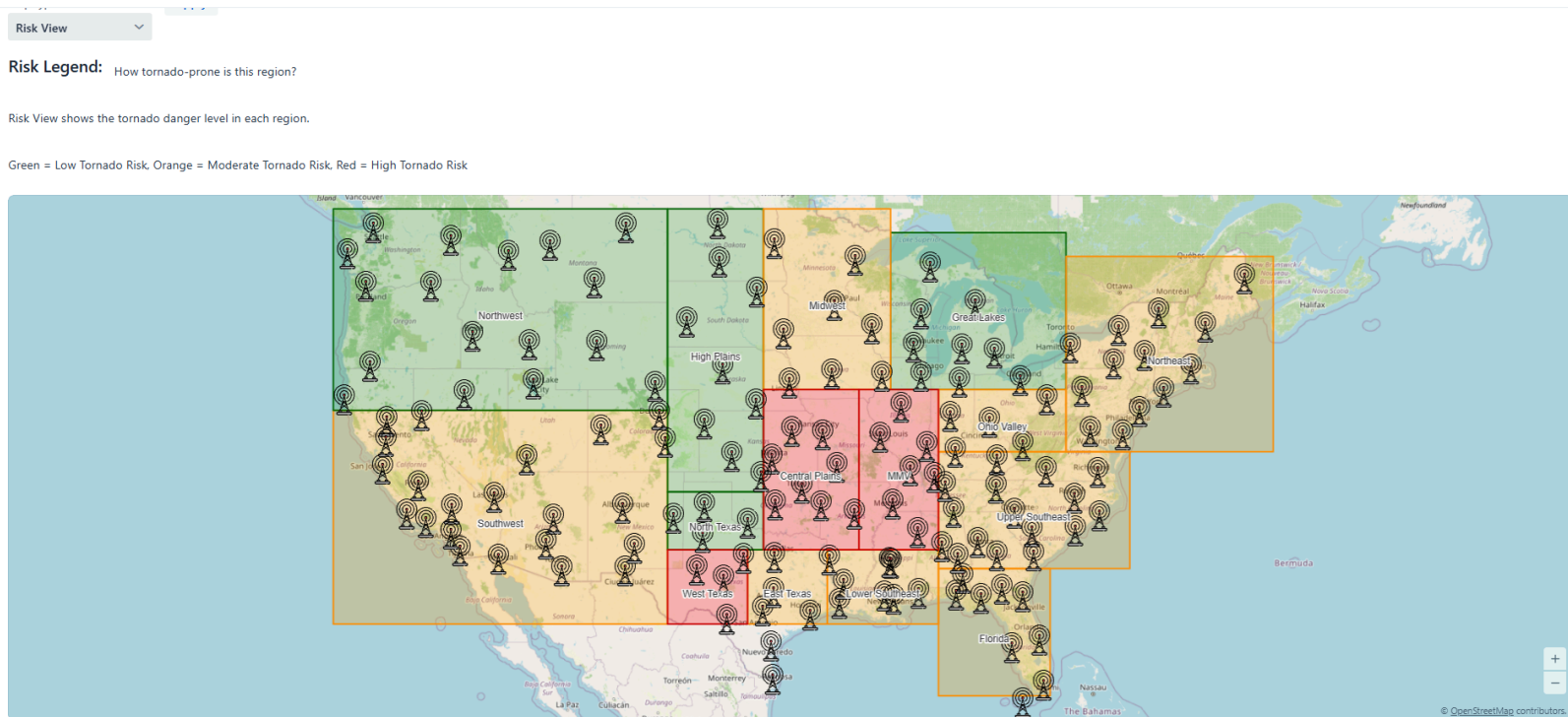
Risk View

This shows how likely high-impact tornadoes (*EF3 or higher*) are in each region

Colors represent risk levels:

- Green = Low Risk
- Yellow = Moderate Risk
- Red = High Risk

Use this view to understand where more severe tornado activity is more likely.



Radar Needs View

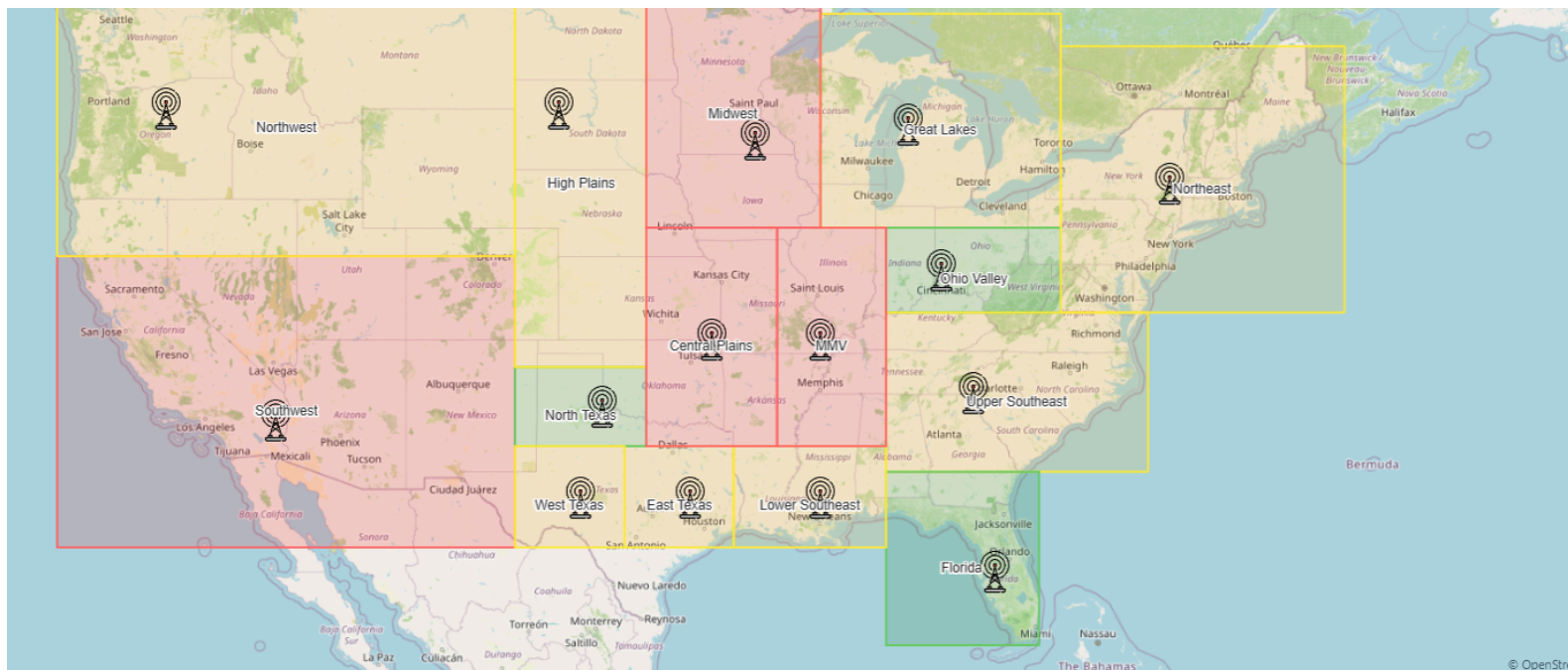
This shows where radar coverage may be needed.

Colors represent priority levels:

- Green = Low Priority
- Yellow = Moderate Priority
- Red = High Priority

Proposed radar locations are displayed on the map.

Use this view to see where radar coverage may be weaker based on both tornado risk and distance from existing radar.






Understanding the Map

Each region represents a grouped area of the United States.

The map will show either **tornado risk** or **radar need**, depending on the view you select.

Colors represent that view in risk or priority.

-  Green = Low Risk or Priority
-  Yellow = Moderate Risk or Priority
-  Red = High Risk or Priority

What this means

- In **Risk View**, you are looking at where strong tornadoes are more likely
- In **Radar Need View**, you are looking at where radar coverage may be weaker

How to use it

- Use **Risk View** to understand tornado patterns in the United States
- Use **Radar Need View** to see where coverage may be lacking (rural areas, low risk areas, etc.)
- Focus on regions that appear in red - these are red for a reason!

Tips for Use

- Start with Risk View to understand tornado patterns
- Switch to Radar Need View to evaluate coverage
- Focus on regions that appear in red

Important Notes

- Results are based on historical data and predictions
- Radar locations are recommendations, not exact placements
- Regions are grouped, so smaller local differences may not appear