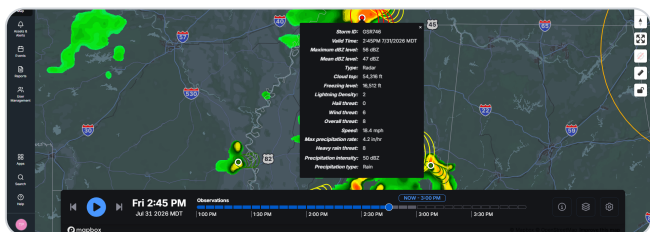


DTN Weather Hub Thunderstorm Intelligence

Global, high-resolution thunderstorm and hail intelligence for emergency preparedness teams.

THE CHALLENGE

Thunderstorms and hail can intensify or change direction within minutes, leaving little room for uncertainty. Emergency preparedness teams are often forced into high-consequence decisions using generalized forecasts, fragmented data, or limited visibility into where the greatest impact will occur.



THE RESULT

Without precise, continuously updated intelligence, teams risk:

- Mobilizing personnel and resources too late
- Overreacting to threats that won't affect operations
- Leaving crews, customers, facilities and equipment exposed
- Delaying shutdown, shelter, rerouting or response decisions
- Communicating inconsistent guidance across teams

WHAT YOU CAN DO

Use Thunderstorm Intelligence to:

- 1 Anticipate hail impacts**
View predicted hail size, probability, and projected location up to 60 minutes ahead in 15-minute increments.
- 2 Track rapidly evolving storms**
Monitor storm-cell location, speed, direction, threat level, projected paths, and impact corridors as conditions change.
- 3 Act on continuously refreshed intelligence**
Receive updated hail and storm intelligence every five minutes, giving teams greater opportunity to adjust plans before impact.
- 4 Improve visibility across operating regions**
Use radar, satellite imagery, and DTN Synthetic Radar Nowcast to monitor threats, including areas beyond traditional radar coverage.
- 5 Identify potential tornado damage**
Access Rotation Tracks data to pinpoint severe storm rotation and proactively identify areas at risk for tornado damage.

HELPS YOU...	BY ENABLING...
Protect people and critical assets	Earlier awareness of hail, tornadoes, flash flooding, lightning and other storm impacts
Improve decision confidence	Precise, location-specific intelligence on storm movement, hail severity and threat level
Deploy resources more effectively	Better staging of crews, vehicles, equipment and response resources by projected impact area
Reduce unnecessary disruption	More targeted decisions on shutdowns, sheltering, rerouting or postponements when risk is localized
Increase response speed	Five-minute updates and short-lead nowcasts that help teams react as storms develop

WHY THUNDERSTORM INTELLIGENCE

Thunderstorm Intelligence combines proprietary weather intelligence, radar and satellite inputs, machine-learning-supported synthetic radar, operational integrations, and global enterprise support to deliver decision-ready intelligence that helps emergency preparedness teams see risk earlier, act faster, and protect what matters most.

With Thunderstorm Intelligence, teams gain:

- Real-time storm-cell tracking and motion
- Tornado, severe storm, and flash-flood warnings
- Five-minute intelligence refresh
- Hail size, probability, and threat scoring
- Radar, satellite, and Synthetic Radar Nowcast
- Storm paths projected 60 minutes ahead
- Lightning intensity and wind gust data

The results: earlier awareness, faster response, reduced unnecessary disruption, and stronger protection for people, assets, and operations.

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GET STARTED

See Thunderstorm Intelligence in action

Discover how high-resolution hail forecasting, projected storm paths, and enterprise-grade weather intelligence can strengthen preparedness across your organization.

[Learn More →](#)

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