

## Vaisala Lightning Exporter

High-quality, accurate historical lightning data easily viewed and exported for your reports



Vaisala Lightning Exporter provides an easy-to-use web interface that lets you compile the exact lightning data you need from hazardous weather events near your facility or assets, backed by the most accurate real-time and historical storm information available anywhere. Having quick, easy, seamless access to the ever-expanding repository of Vaisala lightning data will improve investigation efficiency, and enhance your report credibility for management, legal teams, external audiences.

Lightning Exporter helps you preview and gather your lightning data ensuring confidence in your evaluations. Our highly accurate, precise data helps you justify downtime, review operational procedures, identify potential damage to assets, justify investigation and repair projects, and, in the case of accidents, show there has not been negligence with respect to worker safety. It delivers the dependable data needed by power utilities, renewable energy organizations, airports and airlines, mining companies, ports, oil and gas terminals, and maritime operations need to improve safety, operational efficiency, and asset reliability without requiring capital expenses for equipment.

### Key benefits

#### Reduced operational downtime

Lightning Exporter lets you analyze detailed storm information in near real time, even when your asset may have just been compromised. You can make more-informed decisions to maximize productivity by dispatching people to the right asset at the right time.

#### Greater protection from liability

Dependable data about lightning type, location and intensity can help determine the cause of a particular incident and help in designing a preventative plan of action.

#### Increased asset reliability

Lightning Exporter gives you access to extensive storm data near your assets — even those spread across multiple geographic regions — that can improve your emergency, maintenance and operational asset management.

#### A single source for data

Vaisala has the largest, most sophisticated, and most accurate lightning detection networks in the world that capture detailed lightning data wherever your assets are, and Lightning Exporter puts this information right at your fingertips.

#### Enhanced reporting

The more accurate and comprehensive the lightning data you have to work with, the better evaluations your reports and presentations will deliver.

# Lightning Exporter at a glance

## Applications

- Build robust incident reporting data through a simple, easy-to-use web interface that allows you to compile the highly accurate lightning information you need for incident assessment, reporting or presentations.
- Incorporate comprehensive lightning information into your safety and asset planning reports to improve management of weather threats or incidents.
- Investigate the potential risks of lightning damage to power generation and transmission assets and more with accurate maintenance or protection GIS reports.
- Justify operational downtime with an accurate record of lightning events.
- Evaluate asset damage and failure with near real-time, archived, or reprocessed historical hazardous strike information

## Key features

**Dependable data with easy access** to all the lightning events that occurred within your specified area and time period, with identified lightning characteristics that are accurate and reliable.

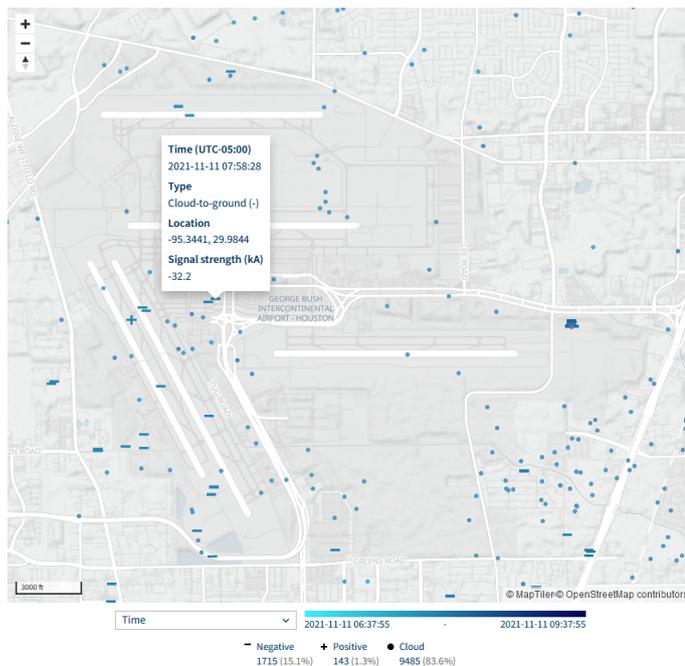
**Simple web-based interface** that lets you easily gather lightning data and export it in a file format you can easily use, offering access to lightning data from less than one minute ago all the way back to 2016, plus optional reprocessed historical data for improved quality over the US.

**Multiple export formats** from the web interface, including CSV and shapefile data formats, for use with your preferred analysis, presentation, report generation or GIS tools.

**Extensive lightning information** including event type, cloud-to-ground stroke or intra-cloud pulse event, date and time (UTC with milliseconds accuracy), precise latitude and longitude, peak current (kA), polarity (+/-) and much more.

**Comprehensive data access** without the need to invest in a data processing system or your own lightning detection sensors — saving real estate, time, maintenance and operational costs.

**Includes Strike Damage Potential**, the world's first solution to provide accurate data on the particular lightning strikes that have greater potential to cause damage or start a wildfire.



*The cloud-to-ground Strokes on the map are indicated by plus (+) icons and minus (-) icons, which become visible once zoomed in on the request area.*

## Why Vaisala?

**No other company captures more data on lightning events than Vaisala**

Vaisala delivers the most accurate and reliable lightning information wherever and whenever you need it. No matter how you use lightning information, your decisions and evaluations demand the best data possible. Vaisala is the clear leader in lightning detection, and no other company comes close in terms of quality, accuracy or coverage of lightning data.

# VAISALA

[vaisala.com/lightning](https://vaisala.com/lightning)



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