

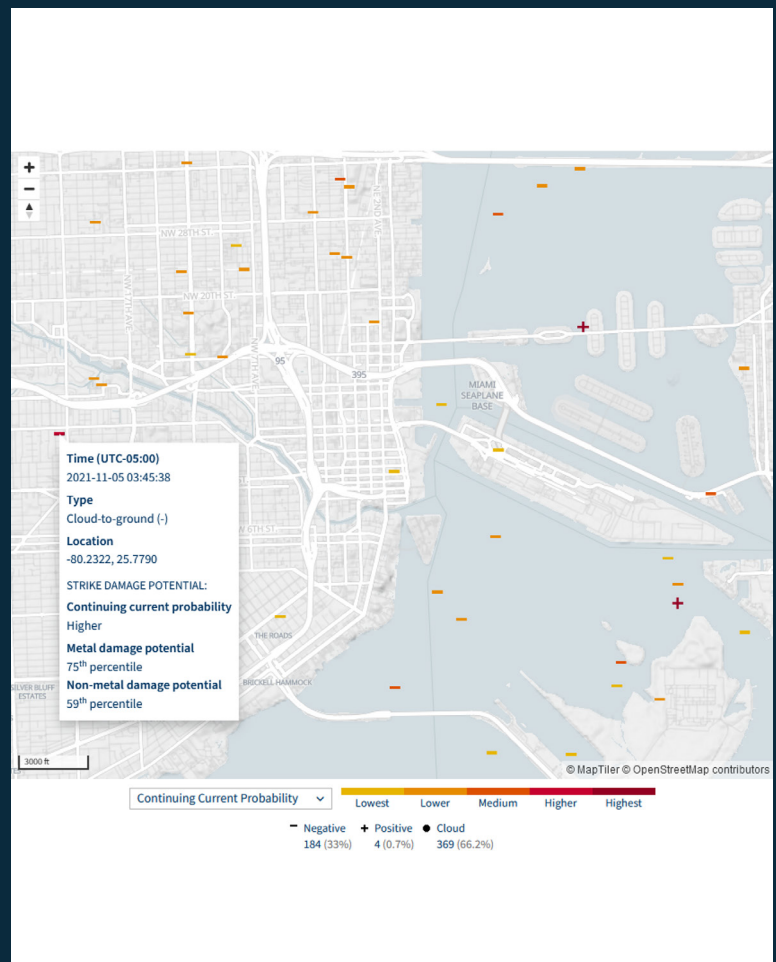
Strike Damage Potential

VAISALA

Product Spotlight

Providing trusted weather observations for a sustainable future

Not all cloud-to-ground lightning strikes are the same. Most have little impact, while others can ignite wildfires, put holes in wind turbine blades, cause extreme heating damage to electric infrastructure and set fire to property. Now you can simplify your post-storm analysis by reducing the lightning stroke data into lightning strikes and identifying the lightning strikes with greater potential to have caused damage – so you can take quick action.



Key benefits

Simplifies lightning data into strike points and shows the precise location of the strikes—both near-real time and historical—most likely to have started a fire or caused damage.

Enables early intervention so you spend less time and fewer resources repairing damage or containing wildfires.

Data subscription provides quick insights through an easy-to-use interface or an API integrated with your own application.

Built on the GLD360 and NLDN—two of the world’s most accurate and dependable lightning detection networks—for insights anywhere in the world.

Why Vaisala?

As the global leader in weather and environmental measurements, Vaisala provides trusted weather observations for a sustainable future. With over 85 years of experience and customers in 170+ countries, from the North and South Poles to Mars, we help provide the most reliable and accurate weather and climate information for better and safer daily lives.

Our instruments and intelligence are known as the gold standard for precision and reliability. As a sustainability leader we enable meteorology professionals to better understand, forecast and explain climate change. We continue to channel our curiosity into climate action and new ways of enabling a better planet for all.

Vaisala Strike Damage Potential is the world’s first solution to group lightning strokes into lightning strike points and the first to provide accurate data on the potential for damage from each lightning strike. This innovation identifies and targets the damaging strikes by ranking their potential for damage, including those with compound lightning strikes: cloud to-ground strokes following the same channel, resulting in multiple repeat strikes to the same strike point. It also identifies the damaging strikes with higher probability of continuing current and lasting longer than 40 milliseconds, which can cause extreme heating.

Supports notification and analysis of:

- Wildfire starts
- Wind turbine damage
- Overhead power line damage
- Property insurance claim validation

