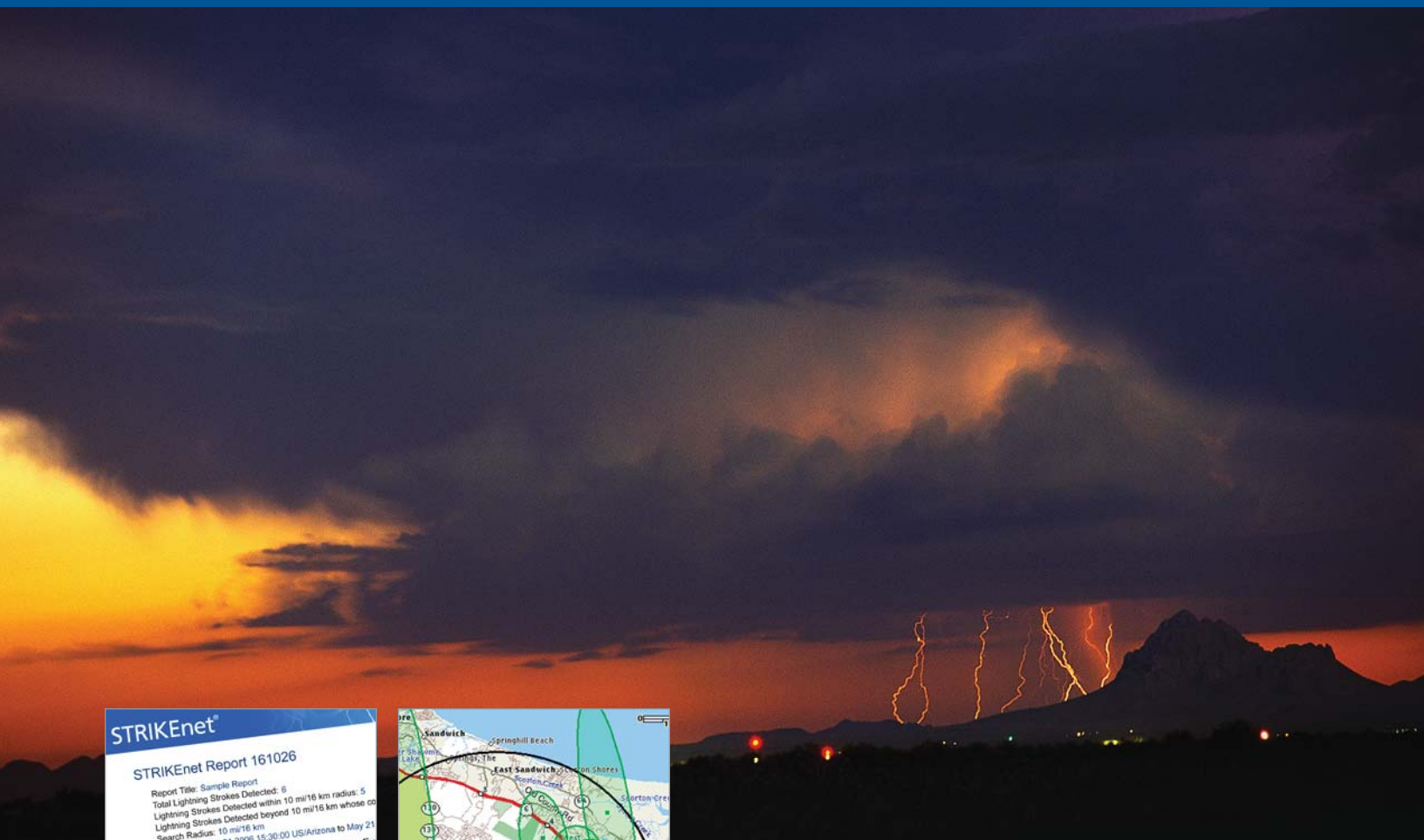


Vaisala's STRIKEnet® Lightning Verification Reports



STRIKEnet®
STRIKEnet Report 161026

Report Title: Sample Report
 Total Lightning Strokes Detected: 6
 Lightning Strokes Detected within 10 mi/16 km radius: 5
 Lightning Strokes Detected beyond 10 mi/16 km whose co
 Search Radius: 10 mi/16 km
 Time Span: May 21 2006 15:30:00 US/Arizona to May 21

Lightning Stroke Table (Note: All events shown. Ev

Date	Time	Peak Current (kA)	Distance From Center (mi/km)
			1.8/2.9
May 21, 2006	3:40:41 PM	-15.2	7.8/12.6
May 21, 2006	3:44:37 PM	-24.8	8.4/13.6
May 21, 2006	3:44:37 PM	-25.0	8.4/13.6
May 21, 2006	3:44:37 PM	-51.2	8.5/13.7
May 21, 2006	3:44:37 PM	-21.2	
May 21, 2006	3:44:37 PM	-17.4	11.5/18.5



Scientific Accuracy. Proven Reliability.

Vaisala Provides the Most Reliable Lightning Location Technology for Objective Claim Verification

Lightning's Impact on the Insurance Industry

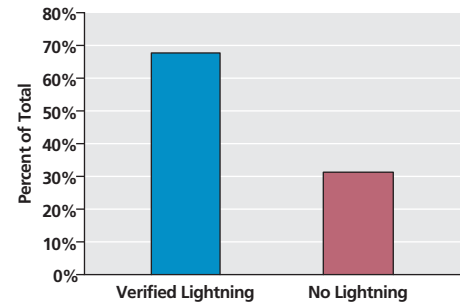
Since 1995, Vaisala STRIKEnet® has verified that almost one-third of all lightning claims did not involve lightning on the date of loss.

Standard & Poor's top 100 U.S. homeowner's insurance companies report average lightning claims paid range from \$1,364 to \$2,336.

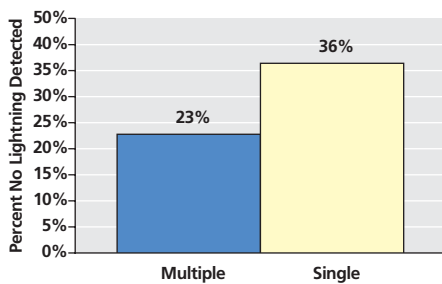
A research study published in 1994 by NOAA's National Severe Storms Laboratory found that one lightning-related claim was filed for every 57 lightning flashes.

- The top ten property and casualty insurance companies use Vaisala STRIKEnet® lightning verification reports in their claims handling process.
- One top ten property and casualty insurance company reported it paid out \$1.7 billion – 8.7 percent of total claims and 3.8 percent of dollar losses – over a five year period.

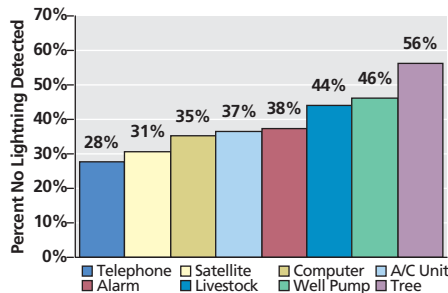
Vaisala and a Top Insurance Company's Study of 14,000 Claims



Multiple Item versus Single Item Losses



Most Common Loss Items



Analysis of Over 3,800 Lightning Claims

A study by Vaisala was conducted to determine if certain claim characteristics would identify losses with a higher probability of identifying "no lightning" on questionable claims. The analysis included a sample distribution of 7,000 claims submitted to Vaisala for verification. Of these, more than 3,800 provided item(s) damaged and claim values to be analyzed.

Results of this research found that:

- The most pronounced result was the identification of single item claims which 36% had no lightning detected, versus multiple item claims with no lightning detected (23%).
- Five of the eight most common items damaged returned with significantly higher (5% or more) than the average with no lightning detected. (32%).
- The percent of "no lightning detected" does not vary significantly by the dollar amount claimed.

Vaisala STRIKEnet®

Vaisala STRIKEnet® is an online lightning verification report that objectively and accurately reports individual cloud-to-ground lightning strikes at a specific location on the date of loss. Vaisala STRIKEnet® is available 24 hours a day, seven days a week and within minutes, and reports are viewable online. The NLDN or the CLDN is the lightning data source.

Vaisala STRIKEnet® reports include a text summary of lightning strikes that meet the search criteria.

- Street-detail lightning location map
- Detailed text printout of the lightning strikes
- Confidence ellipse map to illustrate lightning strike location accuracy

Vaisala STRIKEnet® reports are used by:

- Insurance adjusters
- Fire and arson investigators
- Forensic and scientific investigators
- Engineering consultants
- Fraud investigators
- Legal professionals
- Law enforcement officers
- Special investigation units

Vaisala Provides The Most Comprehensive Archive Database in Northern America

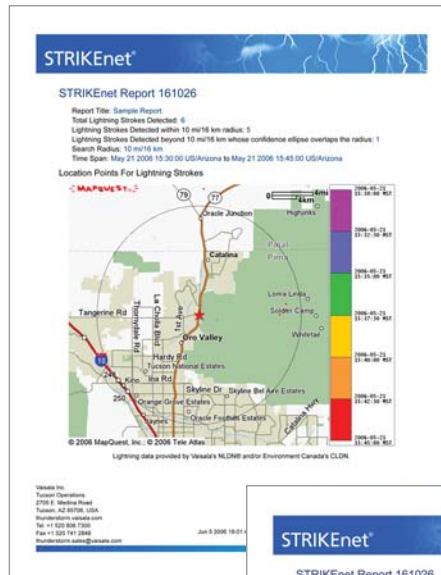
Scientifically proven, the U.S. National Lightning Detection Network® (NLDN) and the Canadian Lightning Detection Network (CLDN) provide the most accurate lightning data information available.

Vaisala STRIKEnet® lightning investigation tool offers the most scientific and objective solution to verify the presence or absence of lightning at a specific location, date, and time.

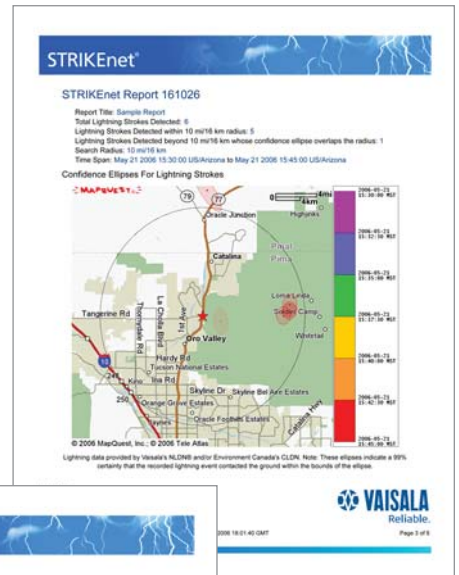
Since 1995, over 200,000 lightning claims reports have been verified by Vaisala STRIKEnet® and data from the NLDN.

Vaisala STRIKEnet® lightning verification reports help control costs by reducing on-site inspections and streamlining the claim verification process.

Investigation methods without lightning verifications reports are very subjective because they are too general or rely on human interpretation. Lightning affidavits, generic weather reports, or on-site physical inspection of a very complex weather event can be validated by innovative technology from Vaisala STRIKEnet®.



Vaisala STRIKEnet®
Location Map



Vaisala STRIKEnet®
Confidence Ellipse Map

Date	Time	Current (kA)	Cloud-to-ground	Latitude	Longitude
May 21, 2006	3:40:41 PM	-15.2	1.802.9	32.4209	-110.9547
May 21, 2006	3:44:37 PM	34.8	7.8121.6	32.4289	-110.8903
May 21, 2006	3:44:37 PM	-25.0	8.4133.6	32.4347	-110.7904
May 21, 2006	3:44:37 PM	-11.2	8.4133.6	32.4289	-110.7903
May 21, 2006	3:44:37 PM	-21.2	8.5137.7	32.4425	-110.7888
May 21, 2006	3:44:37 PM	-17.4	11.5183.5	32.8936	-110.8276

Vaisala STRIKEnet® Strike Details

Vaisala STRIKEnet® reports provide:

- Objective, cost effective, accurate lightning claim verification
- More than 99 percent storm detection efficiency
- Verification of the presence or absence of lightning strikes
- Efficient and timely claim processing
- Location and time-specific reports
- Superior client communication when report results are shared with the claimant
- Lightning data from the US National Lightning Detection Network® accepted and upheld in all known U.S. court cases

For more information call 1-800-283-4557

To order Vaisala STRIKEnet® visit <https://thunderstorm.vaisala.com>



About Vaisala

Vaisala offers a comprehensive range of products that provide the measurement data necessary for forecasting the weather, protecting the environment and improving the safety of air and road traffic. In industrial settings Vaisala products help to enhance the efficiency of manufacturing processes and improve the working environment, as well as reduce adverse impacts on the environment.

Vaisala's origins date back to the 1930s when Professor Vilho Väisälä, Vaisala's founder and long-time managing director, invented some of the operating principles of the radiosonde for upper air observations.

The parent company, headquartered in Vantaa, Finland, is listed on the Helsinki Exchanges (HEX). Vaisala has offices and business operations in the United States, Canada, the United Kingdom, Sweden, France, Germany, China, Malaysia, Japan and Australia.

For more about Vaisala, visit www.vaisala.com

Vaisala's U.S. National Lightning Detection Network is the leading lightning information system tracking cloud-to-ground lightning activity across the continental United States, 24 hours a day, 365 days a year. Over its history, the NLDN has provided researchers with insight into lightning characteristics and behavior resulting in hundreds of scientific publications and articles. Moreover, the NLDN data has significantly contributed to personnel safety, cost savings via improved damage response times and enhanced lightning mitigation designs. Constant improvements in sensor technology and strict quality control have made the NLDN the most accurate and reliable large-scale lightning detection network in the world.

The Network Control Center for Vaisala's U.S. National Lightning Detection Network is based in Tucson.

For more information, visit <https://thunderstorm.vaisala.com>

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