

Vaisala Thunderstorm Lightning Tracking Software LTS2005



In discharge display mode, the individual lightning locations are shown as + or - for identifying positive or negative polarity and are color coded in time intervals. The marker size can be adjusted to represent the event's amplitude in kiloamps (kA).

NEW FEATURES IN LTS2005

- Live looping with new lightning locations updated during each loop
- E-mail warnings and all clears
- Improved customization of map layers
- Any size or shape warning areas

NOWCASTING AND WARNING APPLICATIONS

Vaisala Thunderstorm Lightning Tracking Software LTS2005 displays real-time lightning in easy-to-use formats for monitoring thunderstorm cell development, assessing severity, and forecasting storm path and intensity. LTS2005 issues audible, visual and e-mail warnings and all clears.

LTS2005 is designed for operations responsible for accurate forecasting and nowcasting over large areas ranging from several hundred to thousands of square kilometers:

- Meteorological and hydrometeorological agencies
- Air traffic management
- Electric power companies
- Forestry and land management agencies
- International airports
- Telecommunications networks
- Defense

LTS2005 is also appropriate for smaller operations focused on lighting risk management. Easy-to-interpret display modes, system settings, warning area definitions, and online help files can be handled by operators who are not trained as meteorologists.

LTS2005 FEATURES AND BENEFITS

- Displays stroke or flash cloud-to-ground lightning data
- Displays cloud data where available
- Forecasted cell locations shown in cell display mode
- Query individual lightning events
- Import map files compatible with MapInfo®
- Create multiple warning areas of any size or shape
- Audible, visual, and e-mail warnings when alarm conditions are met
- Return to normal state and all-clear e-mail sent when alarm conditions expire
- Easily define and modify areas
- Create .avi files for review of historic lightning
- Password protected system settings
- Optional ASCII output for use in other programs
- Optional automatic image capture/save

Technical data

System Configuration

Operating System	Windows® 2000 and XP
Communications Interfaces	TCP/IP Satellite receiver with term server

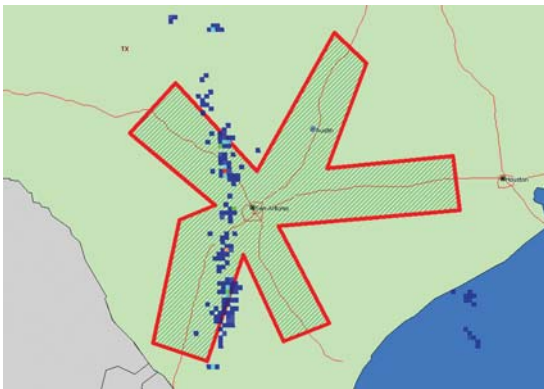
Contact your Vaisala Sales Representative for recommended system configurations along with turnkey installations that include workstations, communications and data services.

Lightning Data Source

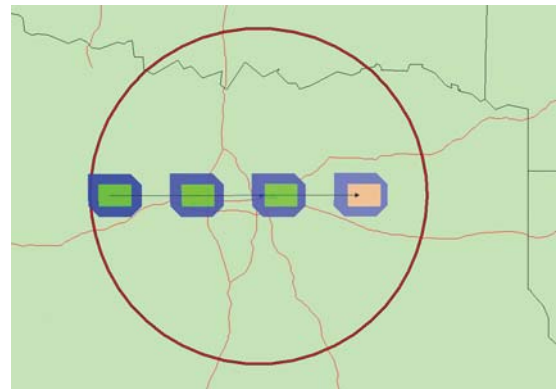
Lightning data U.S. National Lightning Detection Network*, Canadian Lightning Detection Network, or from any lightning detection network using Vaisala Thunderstorm Central Processor CP8000 or CP7000 and preceding central processors LP (IMPACT) and CPS (SAFIR).

Support Services

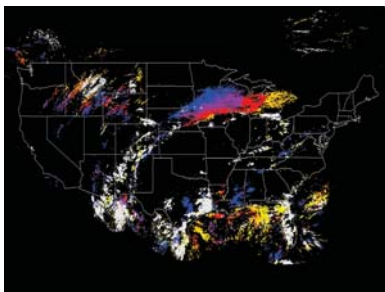
Training and technical support services are available for maintaining optimal software and systems performance. Contact your Vaisala Sales Representative for service agreement information.



In density display mode, storm intensity can be assessed by mapping the lightning density. Warning areas can be created in any size or shape.



In cell display mode, LTS2005 estimates the contours of cells based on lightning activity. The forecasted locations of the cells can be shown for continuous assessment.



Cloud-to-ground lightning data from Vaisala's U.S. National Lightning Detection Network is used by weather forecasters and operations managers to closely monitor thunderstorm development, strength, and paths for more accurate severe weather forecasting and for issuing warnings. Since 1989, the NLDN has reported more than 20 million cloud-to-ground lightning flashes that occur every year, creating a comprehensive archive of lightning data used for statistical and forensic analysis.*



Vaisala Inc.
Tucson Operations
2705 E. Medina Road
Tucson, AZ 85706, USA
Tel. +1 520 806 7300
Fax +1 520 741 2848
thunderstorm.sales@vaisala.com

Vaisala Oyj
P.O. Box 26
FIN-00421 Helsinki
Finland
Tel. +358 9 894 91
Fax +358 9 8949 2227

For more detailed contact information and for other Vaisala locations visit us at:
www.vaisala.com