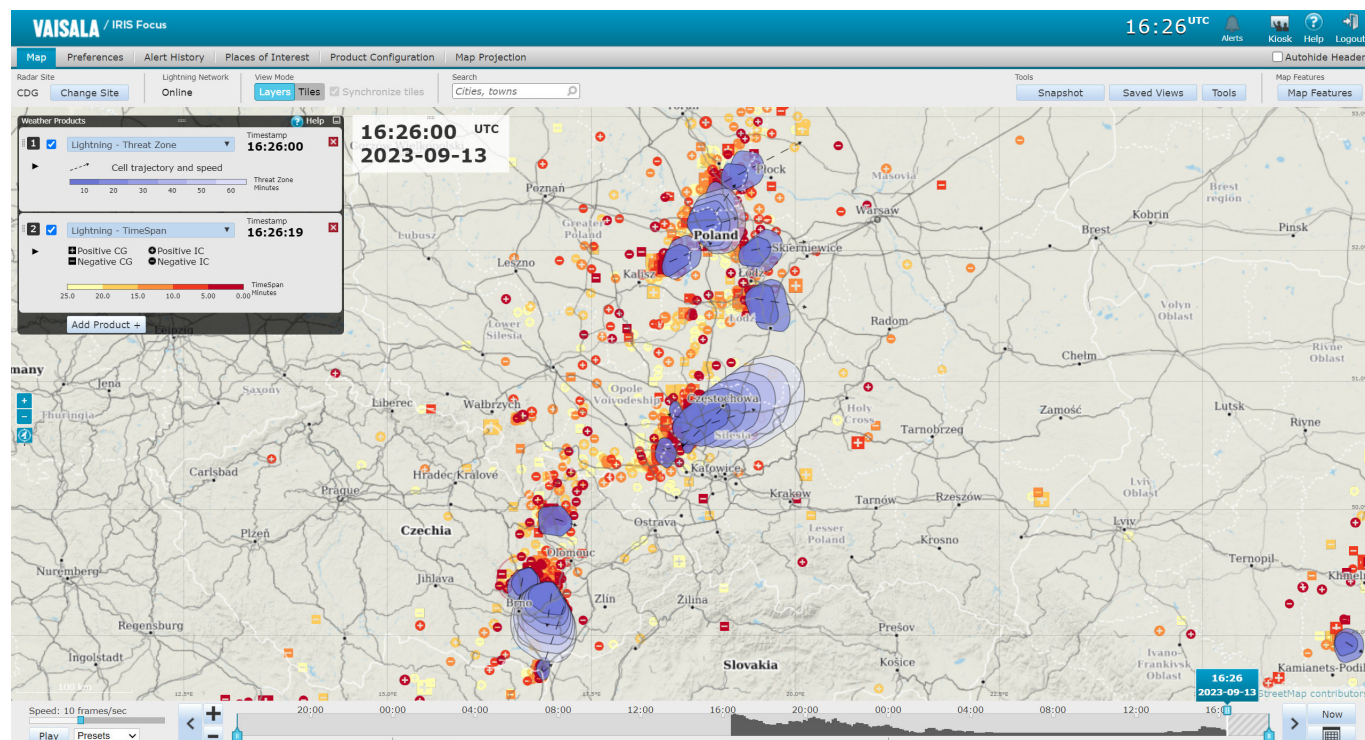




TimeSpan and Lightning Threat Zone (LTZ) products. TimeSpan displays the lightning strikes color-coded from the oldest (yellow) to the newest (red). LTZ shows the areas threatened by lightning within the next hour in shades of blue.

Features

- Web-based application
- Easy-to-configure events and alerts
- On-demand data analytics and visualization
- Tested and audited with the latest security standards

IRIS Focus Remote Sensing Software provides a rich set of unique tools for viewing and analyzing your lightning data. IRIS Focus helps you better characterize and mitigate weather hazards, such as storms and lightning strikes, for making quicker and sharper decisions.

IRIS Focus weather products

Weather products are graphical representations of the data captured by the remote sensing devices, such as lightning networks.

On-demand products are based on raw data from the IRIS back-end systems (for example, TLP - Total Lightning Processor). The on-demand products are generated live, and they are user-configurable to provide tailored outputs and meaningful visualizations.

TimeSpan

The TimeSpan product visualizes recent lightning events. Lightning events are shown as icons that change color at user-defined intervals, so that the movements of the storm can be traced on the map.

Lightning Threat Zone

The Lightning Threat Zone product displays areas threatened by lightning 60 minutes ahead.

Lightning Network Health

The Network Health product provides real-time assessment of the network detection efficiency.

Events and alerts

IRIS Focus provides real-time alerts for significant weather events on user-defined areas of interest. You can view alert information on the web UI, in the Alert history list, or through an API.

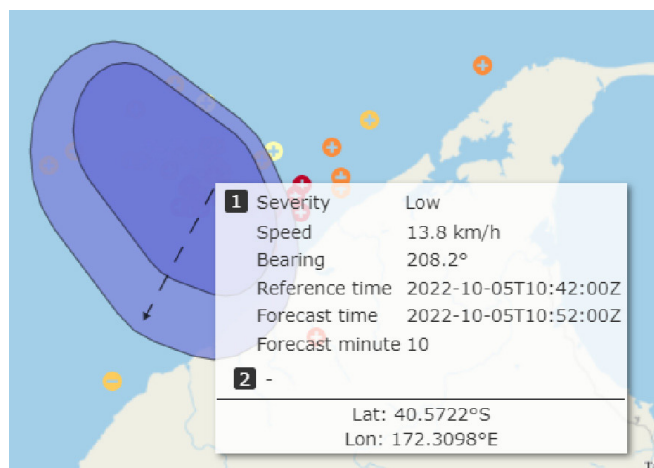
Integration of external data sources

You can visualize data from external sources with WMS layers. This lets you view lightning data from external lightning networks, like Vaisala GLD360, satellite images, or composite radar images, superimposed on the map.

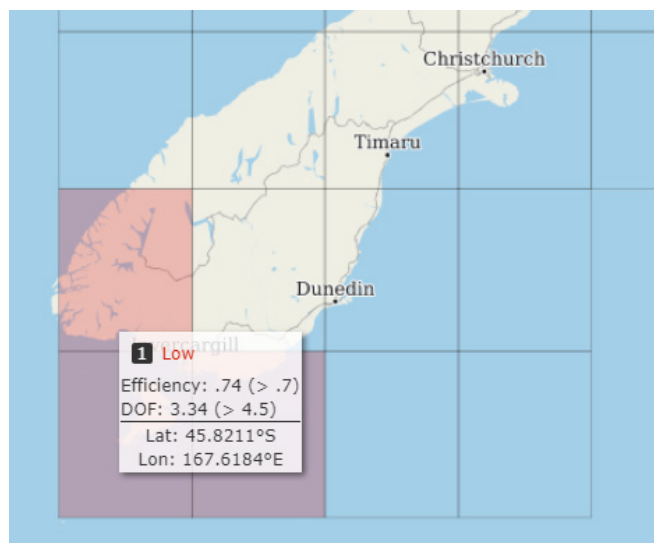
Technical data

Lightning products

Product name	Description	On-demand product
Lightning Storm Intensity	Storm intensity	✓
Lightning Threat Zone	Storm cell tracking	✓
Network Health	Lightning network performance	✓
TimeSpan	Lightning event evolution	✓



Lightning Threat Zone product



Network Health product

Lightning data courtesy of Transpower New Zealand Ltd.

Network requirements

Communication from the TLP to IRIS Focus

Network data transfer Minimum of 100 Mbit/s

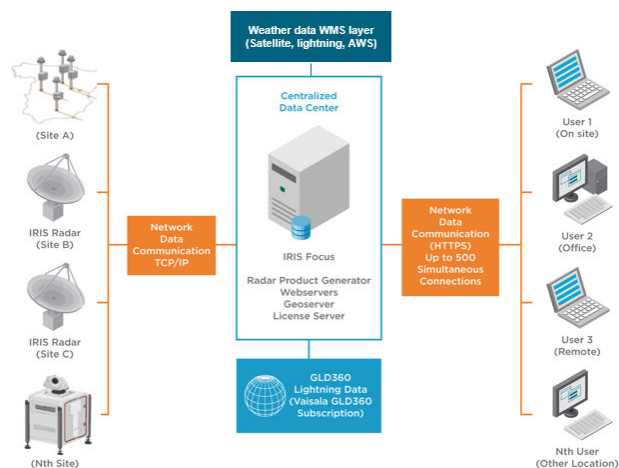
Software requirements

Operating system	AlmaLinux 9.4
TLP	TLP 1.2.7 or later
Browser	IRIS Focus supports current Microsoft Edge®, Mozilla Firefox®, and Google Chrome™ browsers.

Hardware requirements

Minimum	Recommended ¹⁾
- Modern 4-core CPU (Intel Xeon E5 series or similar) 48 GB RAM 1 TB HDD 1400 x 1050 minimum screen resolution	- Modern 8-core CPU (Intel Xeon E5 series or similar) 64 GB RAM 2x 1 SAS TB HDD in RAID 1 configuration 1920 x 1200 screen resolution

¹⁾ The pre-installed IRIS Focus system delivery option uses the Dell PowerEdge R450 rack server unit, which meets the recommended hardware setup.



IRIS Focus in remote sensing networks

VAISALA

www.vaisala.com

Published by Vaisala | B212626EN-C © Vaisala 2024

All rights reserved. Any logos and/or product names are trademarks of Vaisala or its individual partners. Any reproduction, transfer, distribution or storage of information contained in this document is strictly prohibited. All specifications – technical included – are subject to change without notice.