VAISALA

IRIS

EXPERIENCE MORE

The next generation in weather radar software.
Experience More

IRIS Focus Weather Radar Software provides a uniquely rich set of tools for viewing and analyzing your weather radar data. Developed with customers, the easy-to-use interface reduces complexity and training time. IRIS Focus helps you better understand storms for quicker decisions and more accurate precipitation classification.
Analyze Your Data Faster

IRIS Focus allows you to see more. Choose a multi-panel display or layer multiple data points from different radar products on one screen. Because we generate radar products on-demand, you can zoom in on data at the highest resolution.
See More with the Multi-Panel Display

- Display up to four radar products in the same window to see significant weather details all at once
- Synchronize time and location of displayed panels
- Synchronize displayed panel animation
- Move the cursor to a different location on the map – all displayed panels move together
Overlay Multiple Data Points

- Layer multiple data such as radar reflectivity and radial velocity
- See radial winds and intensity simultaneously
- Set height, smoothing, opacity, and data type in layer settings
Weather Warnings and Alerts

- Automatically detect weather hazards as they appear
- Receive an alert when a significant weather event (such as hail, wind shear, or heavy rain) appears in your area of interest
- Configure your alerts and areas of interest
- Use your own terminology and preferred icon – no interpretation is needed
Generate High Resolution Products On-Demand

- Generate on-demand and pre-configured radar products
- Zoom in to automatically regenerate the data and increase the resolution
- Select the radar parameters and adjust the visualization details
On Demand Radar Composites

- Easily access composite data
- Visualize several radars on the same map, in one view
- Use the larger coverage area to see weather from farther away
Understand Storms to Make Better Decisions

IRIS Focus tools support quicker decision-making and accurate precipitation estimation and classification. Advanced graphic display and data processing capabilities provide new ways of observing your weather radar data.
Nowcasting

- Automated short term forecasting predicts precipitation movement and gives you time to prepare hours in advance
- Support forecasters by visualizing the near future
- Seamless integration with on-demand product generation and the user interface
Observe the Vertical Structure of Storms

- Understand storm motion and growth by using the cross-section tool to see data at different altitudes with respect to other data points
- Improve your interpretation of the three dimensional area and a storm’s evolution
- Perform curved cross-sections to analyze frontal boundaries and curved rain bands
Spatial Awareness

- Extend observations to show convective storm beyond a single radar range with respect of geographical features
- Layer other weather data, such as lightning data from Vaisala’s Global Lightning Dataset GLD360 outside of the range of the radar
- Continuously updated Geographic Information System (GIS) datasets
Historical Data Browsing

- Visualize historical data quickly and easily
- Go as far back in time as you wish
Increase Accessibility

Designed with the end-user in mind, IRIS Focus lets end users easily access data to view or share interesting weather events.
Access Your Data from Anywhere

- Because IRIS Focus is web-based, you can access your data from anywhere. You do not have to store data on your computer.
- You can easily share your data with colleagues in other departments and outside the agency.
- Save your frequently used views so they are available each time you get to work, without the hassle of managing browser bookmarks or recreating live product, view, or zoom, or tool settings from previous sessions.
Monitor your data flow

- Be confident you have the latest data
- Receive alerts about interruptions in the flow of data from your radar systems
- Configure the data alert trigger time to suit your needs
Tool Tips and Localized Context-Sensitive Help

- Interactive step-by-step tutorials reduce training time
- Built-in tool tips and context-sensitive help aid throughout
- Available in: English, French, Spanish, Portuguese and Russian
- More languages can be added on request
Vaisala Total Offering

- One-stop-shop system provider
- Reduces training time and allows seamless transition between two or more Vaisala products
- Vaisala products that use same platform: Observation Network Manager, AviMet®, Thunderstorm Manager, RoadDSS Manager and DigiCOR® Sounding System MW41
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