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GST PRODUCT

WAFS-METLAB2™: Weather Workstations for the Global Market

Professional Weather Tools for Meteorology, Aviation, and Product Generation

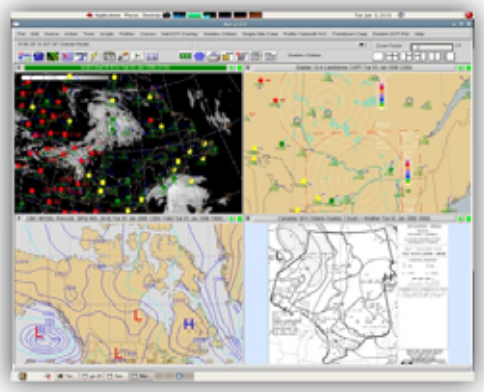
Features:

- Automatic product updates in popup windows
- Alerts and alarms
- Topographic, vector, raster, and special user backgrounds
- Integrated display of weather analysis products
- Multiple window configurations
- Connectivity to other subsystems and the Internet
- Capable of creating distinctive, value-added products
- Consistent user interface
- Message composition (for two-way locations)
- Smart image layering for product assembly and comparison

WAFS-METLAB2™ is an exciting way to visualize and process weather information. This multi-window workstation offers the latest technology for data integration, weather monitoring, user alerts, graphical editing, and much more. With WAFS-METLAB2, users can make side-by-side comparisons of data products and then easily switch to an alternate view that contains animation loops in auto-updating product windows. The workstation includes a sophisticated facility for users to build their own multi-layer overlays or have the workstation create detailed overlays with the click of a mouse. In addition to superb data integration, WAFS-METLAB2 alerts users to warning conditions or the arrival of warning bulletins such as tsunami, volcanic ash, or hurricane. WAFS-METLAB2 also emphasizes automatic product updating in display windows, aiding in monitoring changes in weather or flight conditions.

This Linux-based workstation can be installed standalone or used in a client/server configuration. Users can quickly change window configurations for different sector views as well as monitor conditions and imagery with automatic data updates. Meteorology professionals use WAFS-METLAB2 for detailed data integration as well as for defining areas of interest to trigger alerts upon data arrival (for example, generating an alert if winds are greater than 39 knots in a given region).

Multi-Window Control and Display Data Integration (Overlay) of the METLAB Workstation



The workstation includes communications software for data acquisition from either satellite or file server systems. The baseline configuration is World Area Forecast System (WAFS) data [alphanumeric, GRIB (GRIdded Binary), BUFR (Binary Universal Form for the Representation of meteorological data), T4] from a World Area Forecast Center (WAFC). Additional processing modules are added for satellite, radar, and lightning data sources.

Details of the WAFS-METLAB2 workstation's features:

- Independent and Flexible Integration - WAFS-METLAB2 is independent of any data source and can integrate with many sources of commercially available data, including GTS, WAFS, and AFTN. WAFS-METLAB2's flexibility and ease of use supports a wide range of weather professionals in the commercial, government, and military markets.
- Scalable and Configurable - WAFS-METLAB2 is scalable to customer requirements. The basic system is configured to WAFS data and includes functionality for overlays, folders, draw, alerts, print, and animate to visualize finished products. Modules include alphanumeric data, numerical models, DIFAX, SigWx (BUFR), time series, time profile, thermodynamic profile, and vertical cross-sections. Optional modules are added for satellite, radar, and lightning.
- Personalized Alerts and Alarms - Users can alarm (via a popup dialog box) upon the receipt of text bulletins (such as tsunami, volcano, and hurricane). Defined conditions, such as the ability to specify an area of interest for parameter values to trigger alert conditions, can also be set to alert the user.
- Remote Data Interfacing - WAFS-METLAB2 has the capability to interface with remote weather data such as Automated Weather Observing System (AWOS), Low Level Wind Shear Alert System (LLWAS), and wind profiler. These data types improve the frequency and sampling of the atmosphere.
- Instant Startup Configuration - Users can create custom startup profiles of the products they wish to view upon starting WAFS-METLAB2, including the capability to establish multilayer overlays or views of specific geographical areas. Several profiles can be created, saved, and reloaded at any time.
- Auto Product Generation Option - WAFS-METLAB2 can be installed with a companion Product Station or BriefNet system. These finished products in standard imagery format can be exported to external systems such as the Internet or made available for pilot briefings.