

# ULTIMA...

# Your ultimate choice for WAFS



## WHY AN ULTIMA?

ULTIMA is a modular system and is:

- ☞ A mature product for current and future needs.
- ☞ Affordable and has the best quality/cost solution.
- ☞ Open to Internet user interfaces.
- ☞ Available from simple standalone to complex redundant multi-point configuration.

## FEATURES

- ☞ Interfaces with SADIS and ISCS WAFS systems.
- ☞ Handles Bulletins, T4 Charts, BUFR, GRIB, and imagery data.
- ☞ Simultaneous reception, display and print capabilities.
- ☞ Selective reception of user defined products.
- ☞ Alert Message for user-specified products.
- ☞ Aviation Weather and Terminal Forecasts.
- ☞ Display vertical Cross Section along a route.
- ☞ Data on geographical map background.
- ☞ Product Archival.
- ☞ Distribution of products to other systems via LAN or serial interface.

## RECEIVE, STORE, DISPLAY, PRINT BULLETINS, GRIB, CHARTS AND IMAGERY

### Graphical User Interface (GUI)

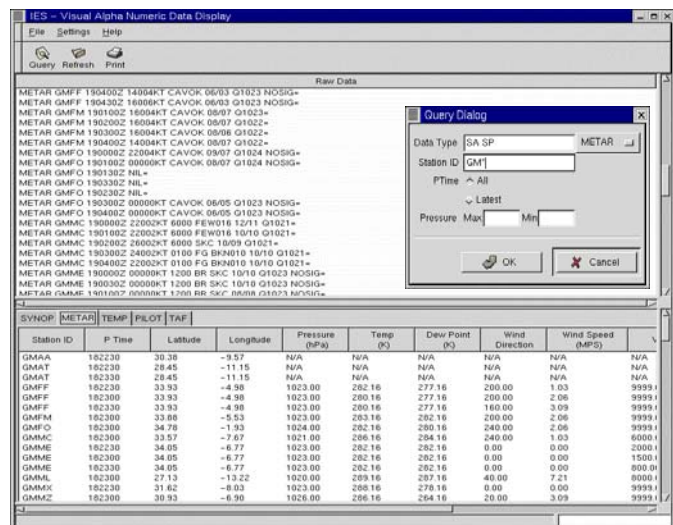
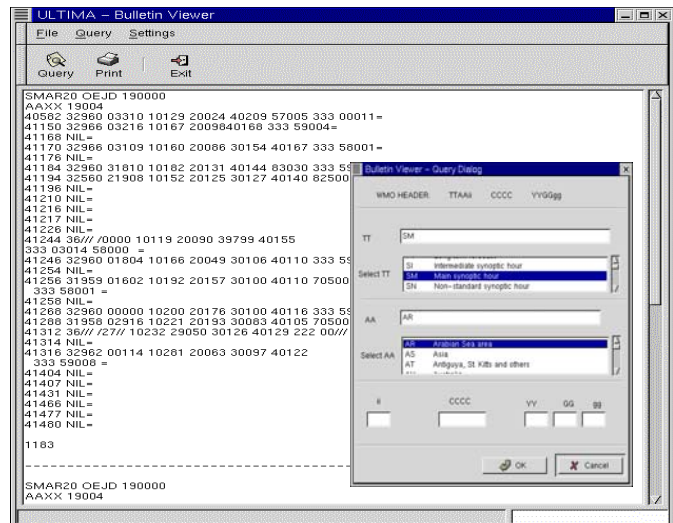
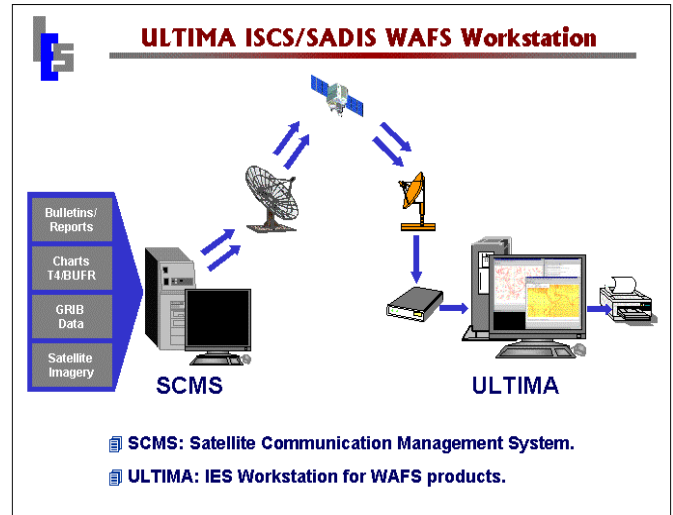
ULTIMA runs on Linux multitasking Operating System and provides a Graphical User Interface. This allows the simultaneous reception, display and printing of products, while at the same time, providing the user with an intuitive Graphical Interface to manipulate them.

### Selection and Identification of Products

ULTIMA selects weather products using the WMO product header. By editing a Product Selection Table, you may specify the list of products to be accepted by your unit and those to be printed, archived or those for which an alert is to be generated. You can also select any user's script to be executed on a specified product.

### Aviation Weather and Terminal Forecasts

Report types TAF, METAR and SIGMET are retrieved, decoded and displayed in tabular and graphical formats. Decoded data can be compared against a specified condition to extract only the reports meeting that specified condition (e.g. visibility less than five miles). In addition, decoders for UA and FT type reports can be provided. Pattern matching can also be defined and applied to the database to generate warnings.



## GRIB Data Display

Fields decoded from GRIB data may be displayed on a map background as raw data, contours, filed wind barbs or arrows in various colours and line styles.

Vertical cross-section display and plotting from GRIB data are also generated.

## BUFR Data Display

The BUFR data are received and decoded to reproduce the T4 equivalent files of significant weather charts. These products are meant to replace the T4 charts and to allow the user to focus the charts on the exact area of interest. All required projections, zooms and weather symbols are supported.

## Decoded Data on Map Background

Decoded data may be displayed on map background as values or as station models using international symbols.

Analysis of Randomly Spaced Data is also available.

## T4 Charts Viewer

The T4 charts viewer allows the user to display the T4 charts and perform the basic functions such as zoom, rotate, crop, annotate and print.

## Pilot Friendly Interface

A Pilot Friendly Interface is provided to let a user define a flight using a subset of flight parameters.

The system automatically generates the weather products required for the flight.

## UPPERAIR Data Plotting

SkewT and Hodograph applications are available for UPPERAIR data display and printing.

## Alert Message Notification and Display

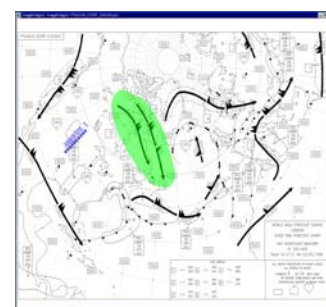
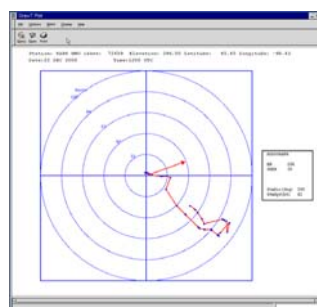
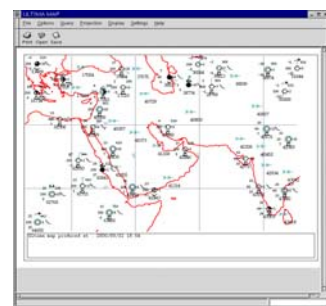
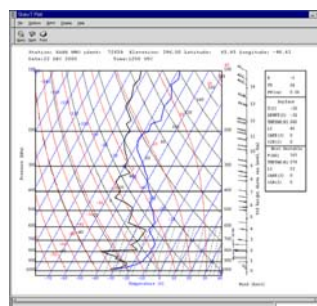
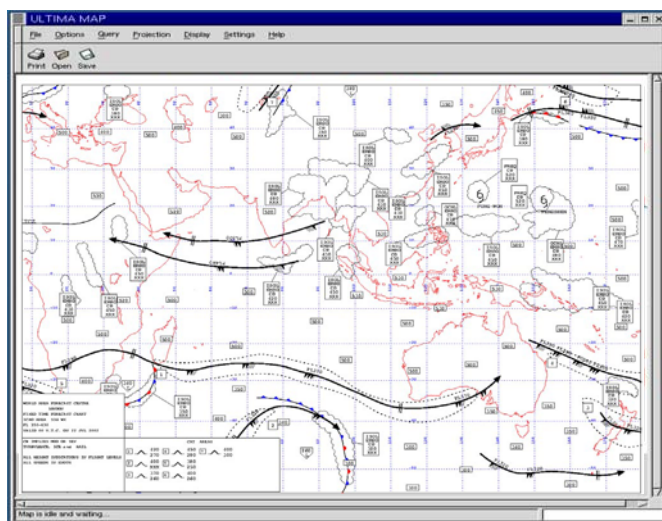
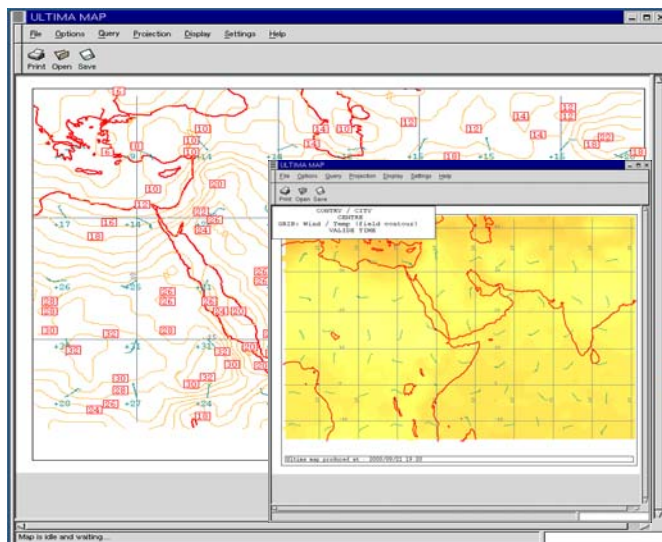
The user may define the products for which he wishes to be notified on reception.

## Product Archival

Automatic and manual product archival on removable medium are supported.

## External Interfaces

Data received or processed by ULTIMA may be transmitted to other systems via a TCP/IP based network, FTP through Ethernet or SLIP link. In addition, ULTIMA can accept data from other networks such as GTS, AFTN, MDD and many other systems.



 **Info-Electronics Systems Inc.**  
1755 St-Régis, Suite 100, Dollard-des-Ormeaux  
Montréal, Québec, Canada H9B 2M9  
☎ (514) 421 0767  
☎ (514) 421 0769  
✉ [contact@info-electronics.com](mailto:contact@info-electronics.com)