

#### Platform Independence

- Runs on any Java 1.4 compliant system
- Runs in networks consisting of multiple platforms, thereby reducing the need to purchase new hardware

#### Custom Display Pages

- Allow you to design your own look and feel
- Point and click WYSIWYG editor makes it easy to add graphics, logos, and navigation
- Over 25 customizable tools available to create the most useful displays in the industry
- The most powerful graphing, data collection, and data evaluation tools in the industry
- Support for minimum, maximum, total, average, frequency, frequency distribution, and standard deviation calculations on all data in the system
- User-defined algorithms allow you to easily customize your system to fit your individual needs

#### Real-Time Internet Publishing

- All data in the StormFront system can be published to the web in real time
- Can be easily incorporated into your existing web site
- Allows you to monitor your data 24 hours a day from anywhere in the world
- Allows you to view data on computers not equipped with the display software
- Allows you to publish the data for pilots and other interested parties

#### Data Archiving

- Allows you to store data indefinitely
- Without data archiving, it would be impossible to query and perform calculations on data
- Flexible database design allows you to choose the database that best fits your needs, budget, and technical expertise

#### Reports

- Allows you to generate standard meteorological reports such as the Buoy, Climat, Metar, Monthly, Ship, Synop, and WaveOB.
- Allows you to create custom reports for your own use
- Reports can be automatically sent to a printer or emailed when generated

#### Alarm Generation

- Custom alarms can be created to notify you of changing weather conditions
- Custom alarms can also be created to notify you of system failures
- Notifications can be sent directly to the display, emails can be generated, or the system can alert personnel via pager

#### Dial-In Abilities

- Using a voice modem, you can dial into StormFront and hear an audio message reporting current weather conditions
- Technicians can dial into StormFront to monitor and update the system without needing to be on site
- Both features can be accessed from the same phone line

#### Supported Interfaces

AFOS/ AWIPS  
ASOS  
AWSS  
Ceilometer  
DASI  
DASIDME  
FDIO  
Handar AWOS  
NEXWOS  
RBDT (LLWAS, TDWR, WSP, etc.)  
RVR  
RWIS  
Time Source  
Visibility  
XML (allows for custom interfaces)  
Web Interface

#### Supported Databases

Oracle  
Microsoft SQL Server  
MySQL  
MSDE

#### Platforms

Windows NT/2000/XP  
Solaris  
Unix  
Linux

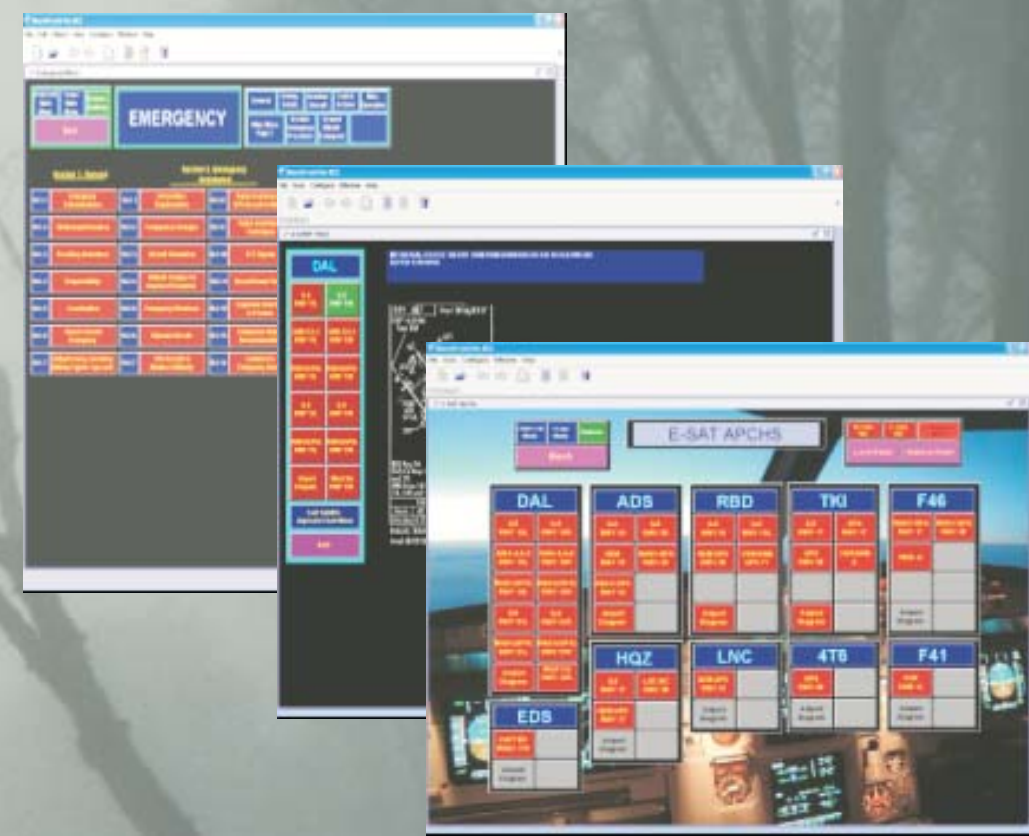
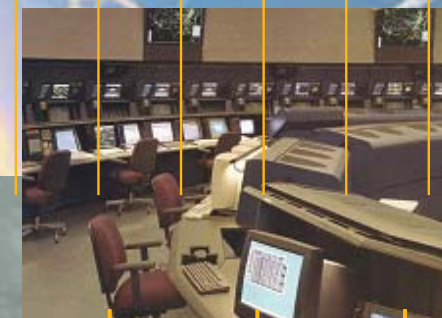
#### Minimum PC Requirements

Pentium II 433 MHz  
512 MB Ram  
2GB Hard Drive  
15" Monitor at 1024x768 Resolution

# ACE-IDS 2.0

Powered by StormFront™

## Integrated Display System 2.0



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# Integrated Display System 2.0

# ACE-IDS 2.0

Powered by StormFront™

## ACE-IDS 2.0

ACE-IDS 2.0 is an integrated display system designed for the Air Traffic Controller. ACE-IDS 2.0 graphically displays a multitude of NAVAIDS products such as ASOS, RVR, DASI, LLWAS, Coded Time Source, FDIO, AWIPS, TDWR and WSP, all on one screen. ACE-IDS 2.0 is the ultimate knowledge management tool for the air traffic controller.

StormFront, the software engine driving ACE-IDS 2.0, was developed by All Weather Inc. It is a state-of-the-art, next-generation toolkit that provides real-time



ACE-IDS 2.0 combines displays to save workstation real estate.

data collection, dissemination, and display. StormFront also allows users to design and build display pages to suit their individual needs.

Platform independence allows StormFront to run on a variety of operating systems such as Windows, Solaris, and Linux.

Data archiving is also a feature of StormFront. Database support includes Microsoft SQL Server, Oracle, and MySQL.

StormFront can run on a standalone computer, on multiple computers in a LAN/WAN environment, and over the Internet.

Originally designed and developed for use within the air traffic control environment and meteorological networks, StormFront can display both static and dynamic data from any system that has a defined interface protocol.

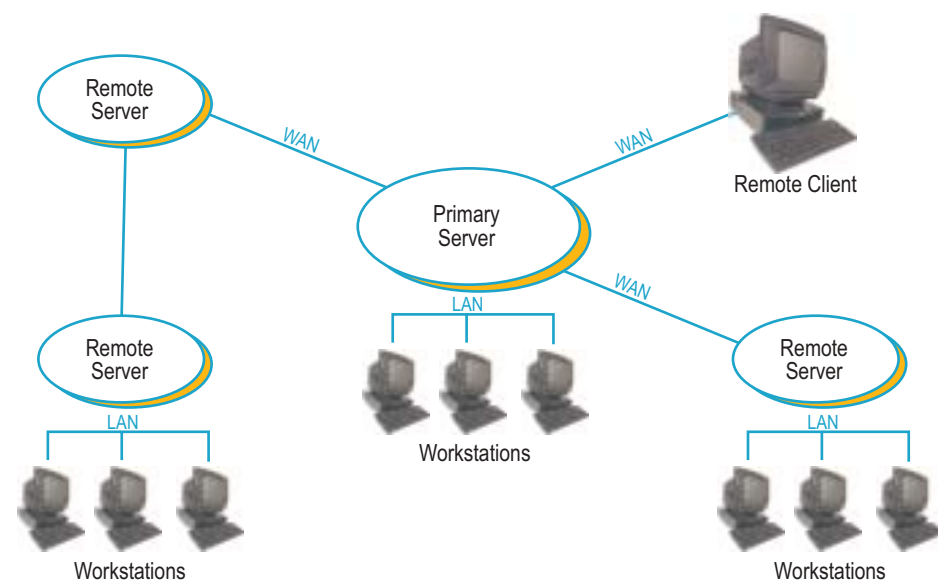
Powerful graphing and trend analysis—built in.

### Easily create:

- bar graphs
- line graphs
- period group graphs
- wind rose graphs
- trends

### Calculate:

- minimum
- maximum
- average
- total
- frequency
- frequency distribution
- standard deviation



StormFront is much more than just a display system. Unlike its competitors, StormFront provides extensive data and trend analysis capabilities allowing the user to analyze both instantaneous and archived data.

## StormFront and ACE-IDS 2.0

Combining the powerful StormFront software engine with the ACE-IDS hardware creates ACE-IDS 2.0, an integrated display system that meets the demanding standards established by the Federal Aviation Administration (FAA) for use by Air Traffic Control.

ACE-IDS 2.0 uses the same hardware platform already approved and in use within the National Airspace System (NAS). Therefore, ACE-IDS 2.0 meets all requirements for electromagnetic interference, radio frequency interference, critical power, information security, and infrastructure support.

ACE-IDS 2.0 provides significant telecommunications savings. For example, ACE-IDS 2.0 workstations installed at TRACON satellite airports act as interface concentrators, eliminating the need for multiple communication lines between the TRACON and its surrounding satellite airports.



ACE-IDS 2.0 operates in a LAN/WAN environment and communicates via standard TCP/IP protocols. The network architecture is designed to be fully redundant and uses distributed processing to provide a highly dependable and stable integrated display system.

## ACE NetView

An integral part of ACE-IDS 2.0 is the Remote Maintenance Monitoring (RMM) Software called ACE NetView. This software monitors the health of the ACE-IDS 2.0 system and allows technicians local and remote access to the system. Technicians are informed about the status of the system and provided with fault analysis down to the Field Replaceable Unit (FRU).

