



MetObserver

Visualization and Control Software

MetObserver is All Weather, Inc.'s (AWI) AWOS display software. This primary interface provides the critical weather information needed for quick decision making, all on one screen.

MetObserver provides accurate critical weather information in many locations on a local area network (LAN). **AWI MetObserver** is a powerful client-server system with a customizable, all-inclusive interface that enables practical use of meteorological data collected by the AWI AWOS.

The AWI MetObserver software is fully suited to the unique needs and security requirements of each airport with fully customizable report parameters, meteorological alarm thresholds, manual observations and user access levels.

The system can be delivered in a redundant (hot-swappable) configuration.

Comprehensive and Compatible Reports

Complete system logs and reports including METAR, SPECI, SYNOP, MET Report, SPECIAL MET Report, AIRMET, TAF, SIGMET, BUFR, CREX and other local reports can be automatically or manually generated and edited by the user.

AWI MetObserver is fully compatible with IA-5 Alphabet, AFTN and other communication protocols such as AMHS.

Meets or exceeds ICAO recommendations and FAA and WMO requirements for weather reporting.

Users can review, print, and export complete system history, including transmitted reports, generated alarms and data logs, then create graphs from exported data.



User Selectable Display Look and Feel

Using the edit functions of AWI MetObserver's base underlying IDS software (FlexIDS), users can modify the interface with new pages, colors, and data arrangements. Light pages or darker pages and dimming in between for night operations mode.



Definable Users and Groups and Built-in Security

Access to AWI MetObserver's data and to configuration options are fully controlled by an assigned administrator who can control the level of access and what is available for each user. Additionally, the admin can create custom Users and Groups to allow or restrict access to specific areas of the software. Unwanted access is prevented using encrypted passwords and multi-level security.

Enhanced Features

AWI MetObserver can include enhanced features like web camera interfaces and remote access via the Internet.



Versatile Voice Output

The AWI MetObserver data can be voiced over VHF radio, NDB or VOR frequencies, as well as accessed via dial-up telephone.

Displays

The AWI MetObserver Tower Display

- Presents a current view of weather parameters of particular interest to tower operations.
- Rich graphics along with full editing features.
- Customizable user interface, alarm notifications and report generating features.
- Secure administration levels.



The AWI MetObserver Expanded Display

- A text-only display showing additional data fields of interest to Meteorological (Met) Operations.
- The display includes both min/max and multiple averaging periods.
- All the editing features of the Tower Display are available in the expanded view.



Fully Configurable

Direct configuration control through user friendly menus and dialogs such as local airport configuration settings (airport name, ICAO codes, WMO codes and IDs, geographical information, units, and more).

- Select display and report output formats
- Configure network connections
- Set meteorological alarm thresholds
- Set sensor constants
- Control data log storage



Remote Maintenance Monitoring (RMM)

The AWI MetObserver provides full secure **Remote Maintenance Monitoring (RMM)** capabilities. This allows maintenance personnel access to the AWOS remotely providing diagnostic and repair capabilities. The RMM capability also enables AWI to provide remote diagnostic services to customers around the world.



Diagnostics and System Status for Maintenance

The Diagnostics and System Status displays are used by maintenance personnel to:

- Maintain and troubleshoot the system
- View and monitor all sensors, system operations and data quality
- Easily isolate existing and potential system problems