Weather View 32

User Guide

For Windows NT 4.x+, 2000, XP

Version 7.0

Created by
Dave Heider

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Overview
Technical Support 5
System Requirements 6
Additional Versions 6
Installation 7
Custom Controls 8
Main Menu & Startup Screen 9
File Menu 10
Edit Menu 10
Tools Menu 11
Monitor Weather Menu 11
Graph Data Menu 12
Report Menu 12
Setup Menu 13

Setup
Web Site Creation Wizard 13
Weather Station Properties ..... See Quick Start Guide
Weather View Properties 16-22
Internet Connection Properties 23
Automated Web Update Properties 24-32
Active Weather Properties 33
Email/Pager Current Conditions Notification 34-35
METAR Station Properties 36-37
HTTP Image Retrieval Properties 38
HTTP Text File Retrieval Properties 39
Anything Weather / Weather Underground 40
Citizens Weather Observer Program 41
Rainfall Offsets 42
Enable DDE Links While in Real-Time Monitoring 42

Edit
Edit Weather Database 43
Climate Database Editor 44
Repair Corrupted Database 45

Tools
Export Weather Data 46
Weather Diary 47
Automated Data Collection 48

Reports
Daily Maximum/Minimum 50
Daily Summary 51
Monthly Summary 52
Climate Database Site Summary 54
NOAA Style Daily Climatological Summary 55

NOAA Style Monthly Climatological Summary....56
NOAA Style Yearly Climatological Summary....57

Graph
Graph Properties....58
Graph Data/Save Configuration for FTP Use....59
Sample Graphs....60-61

Alarms
Alarms 1 - 5....62-63

Monitoring Weather - The Real-Time Monitoring Screen
Overview....64-66
Display Menu....67
Display Object Overview....68

Display
Add Text Object....69-74
Add Indicator Object....75-79
Add Graphing Object....80-83
Add Image Object....84-86
Screen Properties....87-91

Web....92
Satellite Images....93
Doppler Radar....94
Weather Forecasts....95
Computer Models....95

Appendix A - Text Appearance Properties....96-97
Appendix B - Slide Show....98-104
Appendix C - Internet Server....105
Appendix D—Active Viewer....106

Technical Support

For Technical Support or upgrade information utilize one or more of the following contact methods:

Weather View 32 Technical Support
15651 SE Woodland Heights Rd.
Amity, Oregon 97101

Voice 503-864-3217
Fax 503-864-4381
Email wxview@weatherview32.com
Internet http://www.weatherview32.com

Free technical support is provided for issues internal to Weather View 32 only.

Problems with the internet features can often be self-diagnosed by using the Internet Server window. See Appendix C - Internet Server for additional information. If you are familiar with FTP programs, a dialog showing the communication between Weather View 32 and your FTP server displays on the Internet Server application during transfers.

If you call and Tech Support is unavailable, please leave a message. Be sure to include your name, telephone number, version of Weather View 32 and a brief description of the problem. All calls are returned as soon as possible. The best time to reach Technical Support is Monday through Friday between 9:00 a.m. and 4:00 p.m. Pacific Time.

Custom modifications to suit individual needs are available at reasonable rates.

Upgrade Policy

Owners of Weather View 32 version 6.0 Home or Standard can upgrade to a higher level (Standard or Professional) of Weather View 32 v 6.0 for the difference in price paid. You must notify us at the time of purchase to receive the discount.

To upgrade from one version to a newer version the cost is 50% of retail of the currently owned product. For example, a current Standard edition owner will be able to upgrade to the next version Standard edition for $65. You must furnish the existing serial number at the time of purchase.

System Requirements

Minimum for WV32 Basic, Home & Standard	Minimum to use Internet Features
CD-ROM Drive	CD-ROM Drive
1 Available/Functional RS232 Compatible COM Port OR USB to Serial Adapter	1 Available/Functional RS232 Compatible COM Port OR USB to Serial Adapter
16 bit 800x600 minimum display adapter	16 bit 800x600 minimum display adapter
Mouse	Mouse
Modem (For dial-up installations)	Modem (For dial-up installations)
150 MB Free Hard Disk space + 50 MB per year	150 MB Free Hard Disk space + 50 MB per year

IMPORTANT: Always exit Weather View 32 before shutting down or resetting your computer to avoid corrupting your weather database. Protect your data by regularly backing up. Go to Edit, Backup Weather Database.

Additional Versions

Weather View 32 versions exist with

- Multiple station support - up to 50 stations
- Client/Server features - multiple workstations can view real-time data as well as access historical data
- Broadcast— Weather View 32 is not licensed for broadcast. A Broadcast License is required to broadcast Weather View 32. In addition a broadcast quality slide show version of Weather View 32 is available (perfect for cable television).

Installation

IMPORTANT: If you read nothing else in the User's Guide, READ PAGES 6-7.

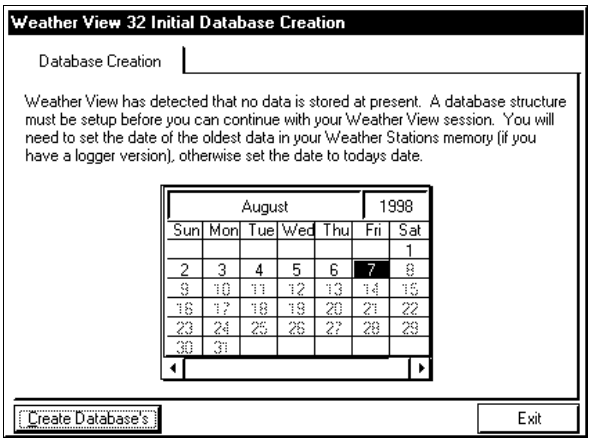
Insert the CD-ROM and the Weather View 32 setup program should automatically begin. If setup does not begin, manually run the setup.exe program contained in the root directory of the CD-ROM. Follow the on-screen prompts to complete the installation.

See the Quick Start Guide located in the front of this manual for instructions specific to your weather station.

The Serial Number is only needed the first time Weather View 32 is run.

Register your copy of Weather View 32 either by returning the registration card, or by going to http://www.weatherview32.com and choosing the Registration link at the bottom of the Home Page.

First Time Use Database Creation



The first time Weather View 32 runs a special screen appears. Weather View 32 creates the database structures for the weather data to be stored. Use the calendar control to indicate the oldest data stored in the weather station (for data-logging stations). Data contained in a data logging weather station stores when the first connection is made.

Weather View 32 keeps a detailed record of the weather conditions. Hard disk usage is approximately 50 megabytes per year per station. If Weather View 32 is writing data to a compressed hard drive, there is a better than five to one compression rate.

To backup your data, go to Edit, Backup Weather Database.

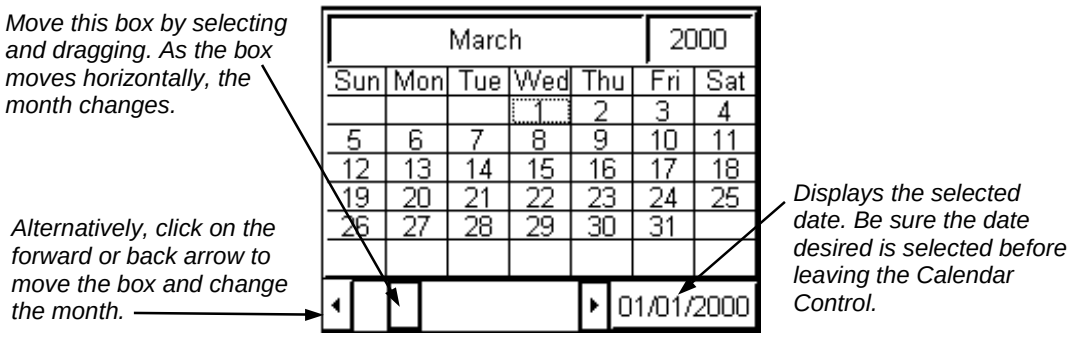
IMPORTANT: Always exit Weather View 32 before shutting down or resetting your computer to avoid corrupting your weather database. Protect your data by regularly backing up. Go to Edit, Backup Weather Database.

Custom Controls

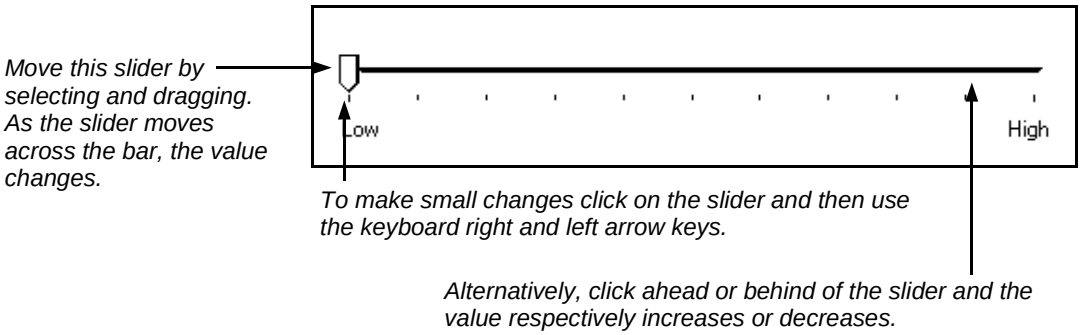
Applies to: ☑Home ☑Standard ☑Professional ☑Broadcast

Used for: Within the Weather View 32 software there are custom controls which enable the user to use the mouse to enter data rather than the keyboard. Some of these tools are infrequently seen. Review below for ease of use.

Calendar Control



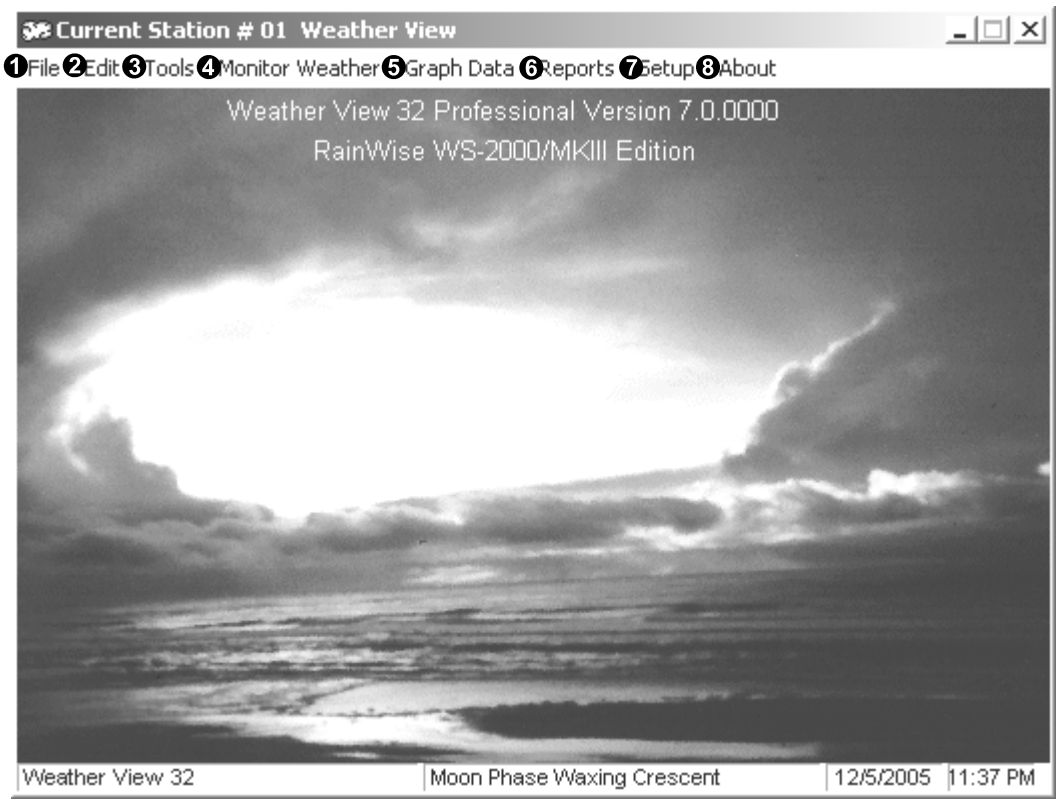
Slider Control



Spin Controls

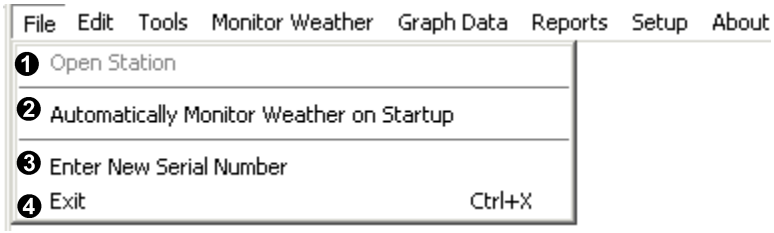
Main Menu & Startup Screen

The pages following detail the features available and how to access particular features. Graphs and Reports can also be accessed from the Real-Time Weather Monitoring display. The actual menus vary depending upon the version of software.



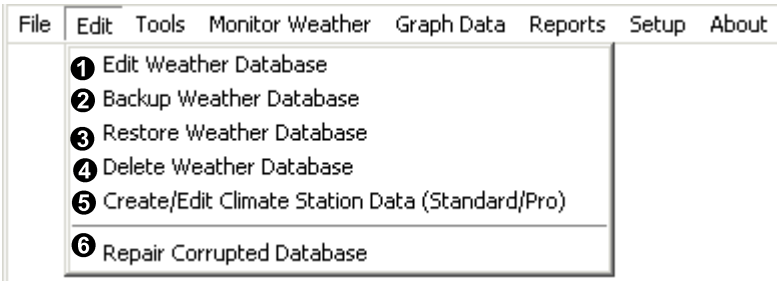
❶ File	Setup Weather View to automatically monitor weather on startup, and exit program. If Client version, set path to the Weather View 32 server. If multiple station version, select Active Station.
❷ Edit	Perform backup and restore, database edits and repair a corrupted database from the Edit Menu. See pages 43-45.
❸ Tools	Export saved data, access the Weather Diary, and setup Automated Data Collection. See pages 46-47.
❹ Monitor Weather	Use to view Real-Time weather. Create your own Real-Time monitoring screens, and screens for upload to the internet. Can also be used to set up alarms, create graphs and reports. Pages 64-68.
❺ Graph Data	Weather View 32 provides full-featured graphing utilities for accessing minute by minute data or maximum/minimum data. When utilizing the minute database information, time ranges from six hours to one month display, with up to two sensors data showing at once. The range of values to display on the graph are user defined. See pages 58-61.
❻ Reports	Access Daily Max/Min, Daily Summary, Monthly Summary, and Climatological reports. Prepare reports to be sent to your web page. Pg 50-57.
❼ Setup	Setup the weather station and Weather View 32 from this menu option. See page 13—42.
❽ About	Access Serial Number, Version, as well as Technical Support and Upgrade contact information. Page 14.

File Menu



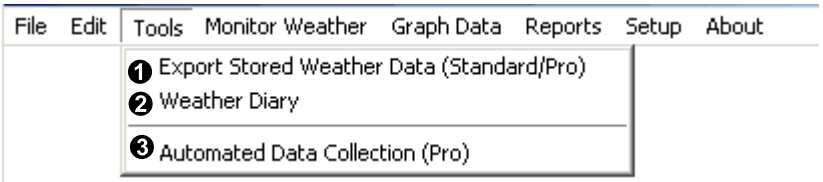
❶ Open Station	If a multiple station version of Weather View 32 has been purchased, select and/or create additional station databases.
❷ Automatically Monitor Weather on Startup	If this menu item is checked, Weather View 32 automatically enters Real-Time Monitoring mode when Weather View 32 opens. A dialog displaying a 10 second count down will appear upon startup with a Cancel button. Choose this button
❸ Enter New Serial Number	Use this feature to change editions from Home to Standard, or Standard to Professional. Call 503-864-3217 to change editions.
❹ Exit	Exits Weather View 32.

Edit Menu



❶ Edit Weather Database	Weather View 32 contains a database editor for modifying individual database entries. This is very tedious to do if many values need modification because of the large amount of data stored. If it appears a sensor on the weather station is reporting invalid data, use this tool to see the raw data. See page 43 for details.
❷ Backup Weather Database	Choose this item and your station's weather database is automatically backed up.
❸ Restore Weather Database	Choose this item and the station's weather database is automatically restored.
❹ Delete Weather Database	Use this item only if no backup is available, when the data is scrambled.
❺ Create/Edit Climate Station Data	Modify any of the over 8200 US Climate Data sites included with Weather View 32. The last 10 sites are blank to allow the entry of user climate data.
❻ Repair Corrupted Database	Correct the weather station's collected data based on a specified criteria. See page 39.

Tools Menu



❶ Export Stored Weather Data	Export Weather View 32 collected data to a comma delimited text file for user selected time periods. The exported file contains information on the identification of data's position in the file. View the exported file with a text editor. See page 40 for details.
❷ Weather Diary	Add comment to be displayed on reports for the specific day.
❸ Automated Data Collection (Pro)	Schedule connections to one or more weather stations via a dial-up connection. Dial-up to multiple stations requires a multi-station copy of

Monitor Weather Menu

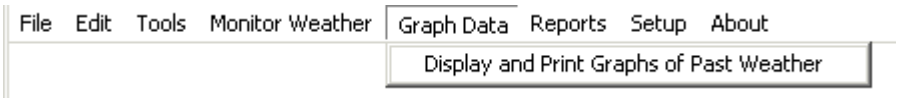
The heart of Weather View 32 is the Monitor Weather Now menu item, more commonly referred to as the Real-Time Monitoring screen. When Weather View 32 is active and monitoring, weather data is collected and displayed on the Real-Time display.

First clicking on Monitor Weather Now, Weather View 32 begins serial communications with the weather station. The status bar in the lower left hand of the Startup Screen details each step as it occurs. First the weather station is detected. If no response from the weather station is received, Weather View 32 displays an error message (most likely you have not set the communications properties correctly). Next the time between the computer and weather station is synchronized. If there is more than 10 minutes difference between the computer and weather station time, you are given the chance to interrupt the process. It is vital that the two systems are very closely time synchronized. After the times synchronize, any logged data downloads and processes. Current max/min data for the day is the last item collected before Real-Time Monitoring displays. Some weather stations do not contain logged data or allow access to current valid max/min data and this step is omitted.

Press the 1-5 keys to load screens #001— #005 on your monitor. Much more information is available. See pages 64-91.

Graph Data Menu

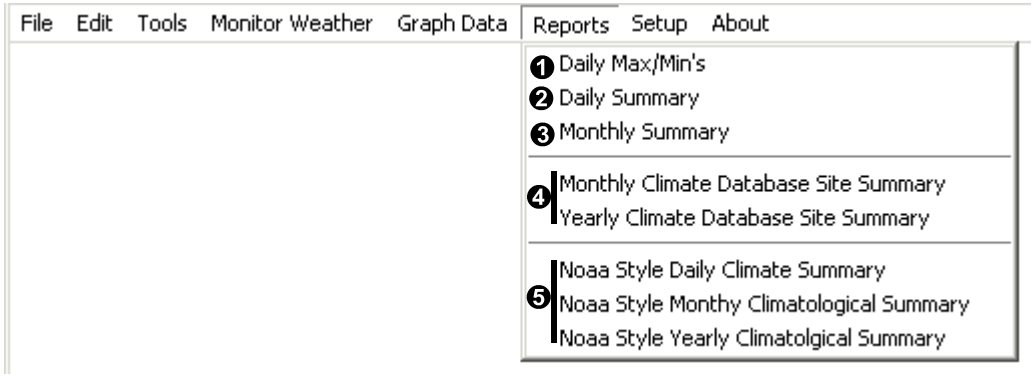
❑ Basic ☑Home ☑Standard ☑Professional ☑Broadcast



Select this menu item to display and print Weather View 32's easy to use graph configuration screen. Graphs can also be created for sending to your web site. See pages 58-61.

Report Menu

❑ Basic ☑Home ☑Standard ☑Professional ☑Broadcast

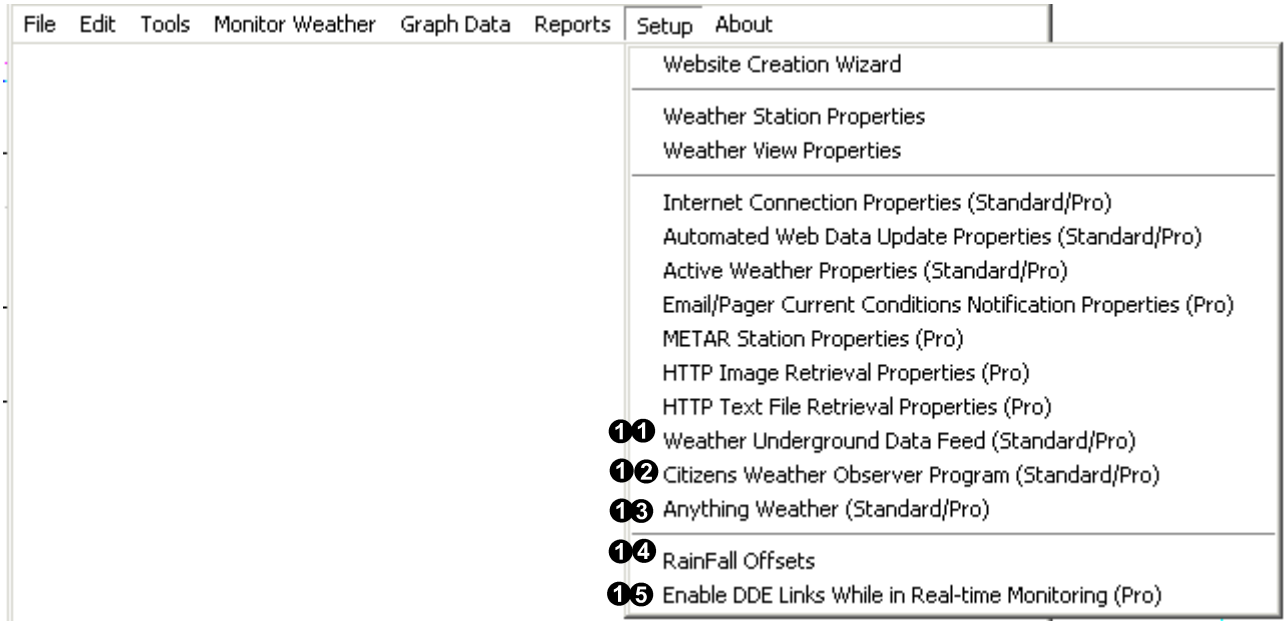


❶ Daily Max/Min	Display and/or print report detailing the daily extremes with time of occurrence for any date in the Weather View database. Page 50.
❷ Daily Summary	Display and/or print report detailing the daily weather conditions. Max/min data for the day also appears. Can be sent to a web page. Page 51.
❸ Monthly Summary	Display and/or print report showing max/min data for each day of an entire month. Monthly rainfall and monthly max/min's for each sensor display. Degree days heating and cooling based on a user-defined base is calculated as well. Can be sent to a web page. Page 52-53.
❹ Climate Database Site Summary	Display and/or print monthly or annual tables of any climatological data station available. Page 54.
❺ NOAA Style Climate Summary	Display and/or print daily, monthly or annual reports of Weather View 32 collected data using a report style similar to various NOAA reporting. Can be sent to a web page. Pages 55-57.

Setup Menu

❶ Web Site Creation Wizard	Create and publish your own web site in just a few short minutes. The wizard will walk you through the steps of creating a web site and will regularly send a one page web site with your weather data. Page 13.
❷ Weather Station Properties	*If this menu item appears,* use to configure weather station specific parameters. See the Quick Start Guide in the front of this manual.
❸ Weather View Properties	Enter information regarding the weather station connected to Weather View 32. This includes installed station location, default climate data site, weather sensors, units of measure, and serial communications. Pages 16-22.
❹ Internet Connection Properties	Configure Weather View 32 to communicate with the internet. Page 23.
❺ Automated Web Data Update Properties	Capture and upload images to the internet or save images locally. Page 24-32..
❻ Active Viewer Properties	Weather View 32 can upload or locally save a small file that enables users with the Active Weather Viewer to observe the weather station's data in near real-time. Page 33.
❼ Email/Pager Current Conditions Notification Properties (Pro)	Send an email or alpha page of selected sensor readings at specified times each day. Page 34-35.
❽ METAR Station Properties (Pro)	Up to 150 METAR sites may be defined and polled by WV32 for the latest weather conditions across the US or the world. Display the data on the Real-Time screen as text or graphics. Page 36-37.
❾ HTTP Image Retrieval Properties (Pro)	Capture up to 5 images on the net at user specified intervals. Display the images on a Weather View 32 screen configuration. Animate the downloaded images. Page 38.
❿ HTTP Text File Retrieval Properties (Pro)	Capture text files from the internet to display on a Weather View 32 screen configuration. Page 39.
	Remaining features are found on the next page.

Setup Menu



11 Weather Underground Data Feed	Weather Underground is a network of personal weather stations whose data is accessible from the Weather Underground web site. Page 40.
12 Citizens Weather Observer Program CWOP	CWOP is a program designed by the National Oceanic and Atmospheric Administration (NOAA) to track personal weather data. Page 41.
13 Anything Weather	Anything Weather is a network of near real-time weather information from private individuals. Page 40.
14 Rainfall Offsets	Internet features users of Weather View 32 may wish to display correct monthly and yearly rainfall totals when incomplete data is present. Page 42.
15 Enable DDE Links While in Real-Time Monitoring (Pro)	If this menu item is checked, Weather View 32 provides DDE links to all current weather conditions while in Real-Time Monitoring. Page 42.

About Menu

☑Basic ☑Home ☑Standard ☑Professional ☑Broadcast

The About Menu item allows the user access to the Weather View 32 exact version number, Weather Station Edition, and serial number. In addition information is provided for accessing the Weather View 32 web site, tech support phone numbers and tech support email address.

Web Site Creation Wizard

Applies to: ❑ Basic ❑ Home ☑Standard ☑Professional ☑Broadcast

Used for: Creating a one page web site in a few minutes. The wizard guides the user step-by-step through creating their own lightly customized web site. It is designed for users new to FTP and the internet. Weather View 32 will send the page to the user's web page automatically. It takes most people less than 20 minutes to complete this process.

If you have problems during the process, select Cancel. Call Tech Support for assistance at 503-864-3217.

The most important step before creating the web site is to determine the four following pieces of information before beginning. The easiest way to get the information is to contact your Internet Service Provider (ISP) or your web hosting service. Call or email and ask for their assistance. Write the exact answers here. The answers must be *exactly* correct. Be certain to note any capitalizations, underscores or unusual characters.

1. FTP Server Name _____
2. User ID required to log into the FTP server. _____
3. Password required to log into the FTP server. _____
4. The FTP folder name. In most cases this is public.html _____

If you have difficulty getting the FTP folder name, call tech support at 503-864-3217. We can get it for you.

Now, begin the wizard by clicking on the item and following the on screen prompts.

Tip: General Information about FTP, the internet, and uploading to a web site.

What is uploading?
Uploading is transferring files from a local computer to a remote computer. Essentially, uploading means copying files from one folder to another, except that the destination could be anywhere in the world. Uploading is necessary so visitors can view sites created on a local computer. Only a limited audience can visit a site unless it is given an address on a computer that others can access from a local machine. When a site is uploaded to a computer connected to the internet, it receives an address, called a URL (Uniform Resource Locator), that anyone connected to the Internet can reach. Uploading requires a protocol known as file transfer protocol (FTP).

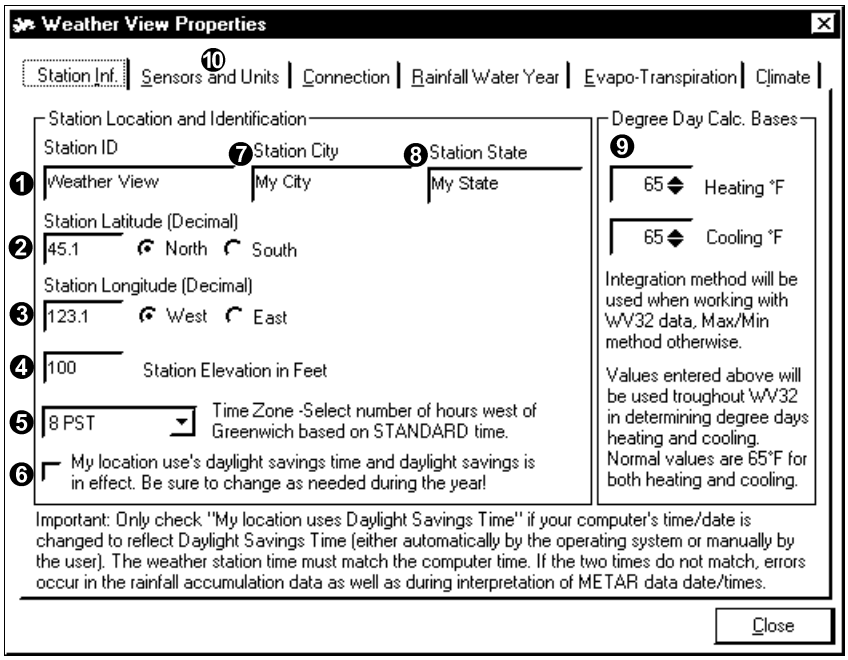
What's a server?
A server is a big hard drive that lots of users can access. Your web site is saved in several places. If you work on it at home, you probably save your site to your hard drive. You may back it up to a CD or a Pony Drive, or another computer. If you work on a network, you can back up to the network server, but no one (we hope) can access this server from outside the site where that server is located.

What is the Internet?
The internet is a vast collection of connected computers called web servers. Those web servers can be accessed by anyone who has permission to do so. You will upload your web site to a web server, and by doing so, you will give permission to others to view your material. Only you will have permission to change your web site, but any visitor will be able to view your site.

Station Information

Applies to: ☑Basic ☑Home ☑Standard ☑Professional ☑Broadcast

Used for: Enter information regarding installed station location, and default climate data site. These settings are used for calculating sun and moon rise/set.



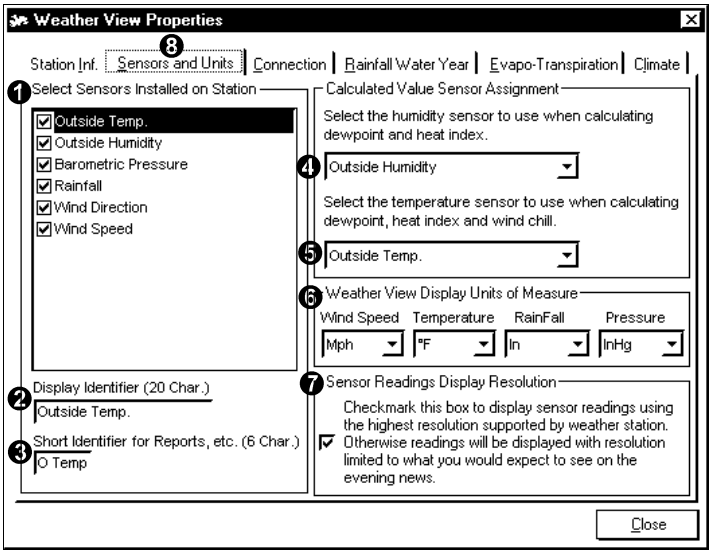
Configuration Steps	
❶ Station ID	Enter a Descriptive ID for your weather station.
❷ Station Latitude	Enter the latitude of your station. Indicate North or South by marking the appropriate button. Used for calculating sun and moon rise/set.
❸ Station Longitude	Enter the longitude of your station. Indicate East or West by marking the appropriate button. Used for calculating sun and moon rise/set.
❹ Station Elevation	Enter the elevation of the weather station from Sea Level.
❺ Time Zone	Enter the Standard Time Zone of your station's location.
❻ Location uses Daylight Savings Time	Be sure to only check mark the Daylight Savings Time check box when Daylight Savings Time is in effect AND the computer's time is set to Daylight Savings Time.
❼ Station City ❽ State	Choose the city name and state to show on the NOAA reports using your station's weather data.
❾ Degree Day Calculation Bases	If the Degree Day calculation is based on temperatures other than 65, use the spin buttons to increase or decrease the temperature to the desired value.
❿	Continue configuration by clicking on Sensors and Units of Measure tab.

Sensors and Units of Measure

Applies to: ☑Basic ☑Home ☑Standard ☑Professional ☑Broadcast

Used for: Some weather stations have multiple temperature and humidity sensors, Weather View 32 allows the selection of the temperature and humidity sensor to use in calculating Wind Chill, Dewpoint, and Heat Index.

The Heat Index is determined by a look-up table compiled from National Weather Service publications. This method is more accurate than any reasonable calculation.

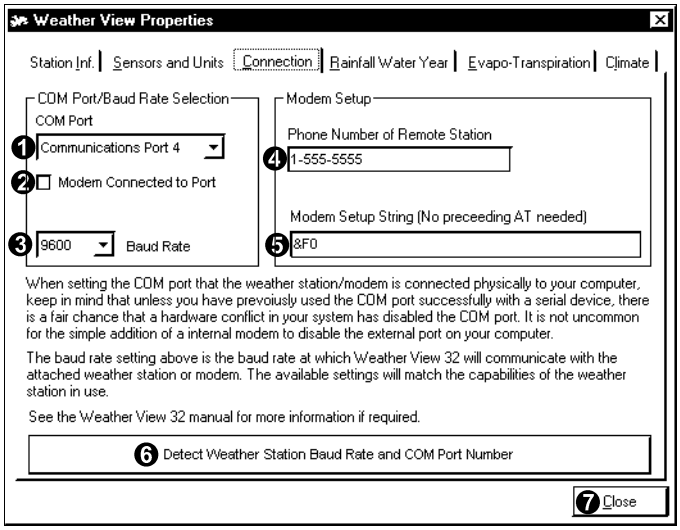


Configuration Steps	
❶ Select Sensors Installed on Station	Mark all sensors that are installed and functional on the connected weather station.
❷ Display Identifier	If an item in the Installed Sensors List is highlighted, the Display Identifier of that sensor displays in the text box labeled Display Identifier. This value can be changed by typing in a new ID in the text box.
❸ Short Identifier	Enter an additional shorter identifier for reports.
❹ Humidity Sensor for calculations	Select the humidity sensor to use for calculating dewpoint and heat index.
❺ Temperature Sensor for calculations	Select the temperature sensor to use when calculating dewpoint, heat index, and wind chill.
❻ Display Units of Measure	Choose the Units of Measure for Wind Speed, Temperature, Rainfall, and Pressure for Weather View 32 to use for sensor data output. These settings are independent of the units of measure the weather station displays or outputs.
❼ Sensor Readings Display Resolution	Check the box to display sensor readings using the highest resolution supported by the weather station. If the box is not checked, readings display using the resolutions you would expect to see on the evening news.
❽	Continue set up on the Connection tab.

Connection

Applies to: ☑Basic ☑Home ☑Standard ☑Professional ☑Broadcast

Used for: Establishing communications between Weather View 32 and the weather station. This connection may be to a station attached via a COM port or a remote station connected via a modem. If unfamiliar with the COM port settings of the computer, go directly to step #6. Weather View 32 attempts to detect and configure the weather station and the COM port setting automatically. If using a USB to Serial Adapter, see the note on the following page.



Configuration Steps	
If you don't know the COM port your weather station is connected to your computer via, go directly to step #6. Weather View 32 attempts to detect and configure the weather station and the COM port setting automatically.	
❶ COM Port	Choose the COM Port Number that the weather station is physically connected to your computer via. If connection to the weather station is via modem, select the COM port your modem uses.
❷ Modem Connected to Port	Mark this check box if a Modem is connected to the indicated COM port.
❸ Baud Rate	Select the Baud Rate utilized during serial communications with the weather station. Some weather stations support multiple baud rates, make sure to set WV32 baud rate to match weather station baud rate. The list of available baud rates are matched to the capabilities of the particular weather station.
❹ Phone Number of Remote Station	*Only for weather stations connected to the computer by modem.* Enter the Phone Number of the remote weather station. Enter the number exactly
❺ Modem Setup String	*Only for weather stations connected to the computer by modem.* Enter any Modem Setup String required by your particular modem. This affects only the modem attached to your computer.
❻ Detect Weather Station Baud Rate and COM Port Number Weather View 32 can automatically Detect the Current Baud Rate Setting of your weather station and determine which COM port the weather station is physically attached to your computer via this button. Go to next page for demonstration of the detection process.	
❼ Close	Select Close to finish.

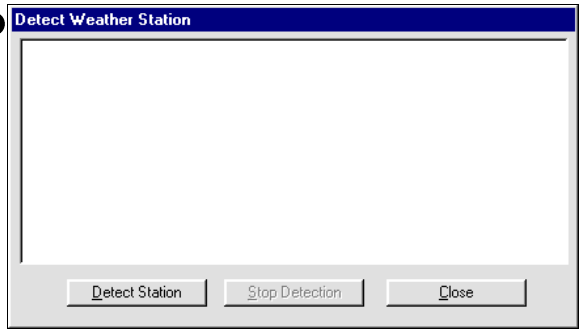
Detect Weather Station Baud Rate and COM Port *(continued from prior page)*

Applies to: ☑Basic ☑Home ☑Standard ☑Professional ☑Broadcast

Used for: Determining the Baud Rate and COM port for weather station to computer serial communications. Weather View 32 detects and sets up the COM port connection automatically. Click on the Detect Weather Station Baud Rate and COM Port Number button and *wait* while Weather View 32 communicates with the computer. This process can take several minutes. The three screens below show the detection process in various states of completion. Some weather stations only support 1 baud rate.

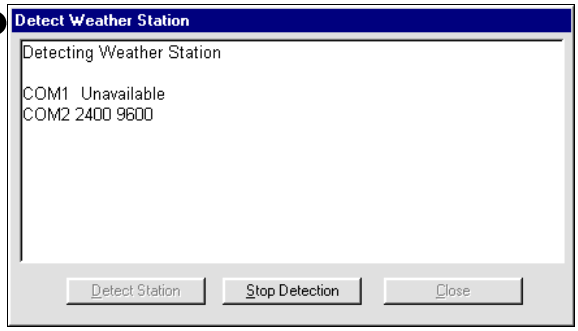
Detect Weather Station Baud Rate and COM Port Number

❶



❶ This is the initial Detect Weather Station screen. Click on the Detect Station button to begin the process.

❷



Weather View 32 is detecting my weather station. Note that COM1 is unavailable on my system. This is due to the fact that my modem was online to my ISP while I was using this feature of Weather View 32. If I had not been using the ❷ modem, a different message stating that COM1 is a modem would have displayed.

All COM ports listed as unavailable are either in use by a device on your computer, are not physically present on your computer system, or are improperly configured.

The baud rates listed next to COM2 are the baud rates tested on that port. As my station communicates at 19200, it has not yet been detected.

❸

❸ The station is detected and depending on your particular weather station, additional information may display.

The settings on the Weather View Properties tab are automatically changed to match the detected values.

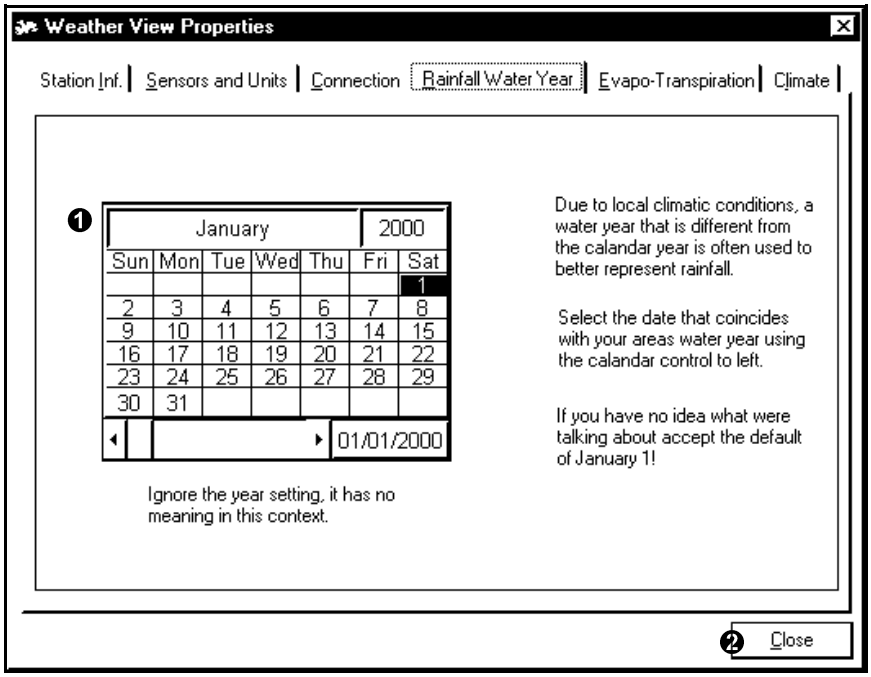
❹ Select Close to exit.

USB to Serial Adapter Users: Using a USB to Serial Adapter. After installing the adapter, go to My Computer and right-click. A menu appears, choose Properties, Hardware tab, and click on the Device Manager. Change the + to a—by clicking on the + sign. The list will show the computer's active Communications Port. Using the result, go to Step 1 on the prior page and manually enter the Com Port (Communications Port) setting.

Rainfall Water Year

Applies to: ☑Basic ☑Home ☑Standard ☑Professional ☑Broadcast

Used for: In some areas climatic conditions are such that the Water Year is different than the calendar year to better represent rainfall.

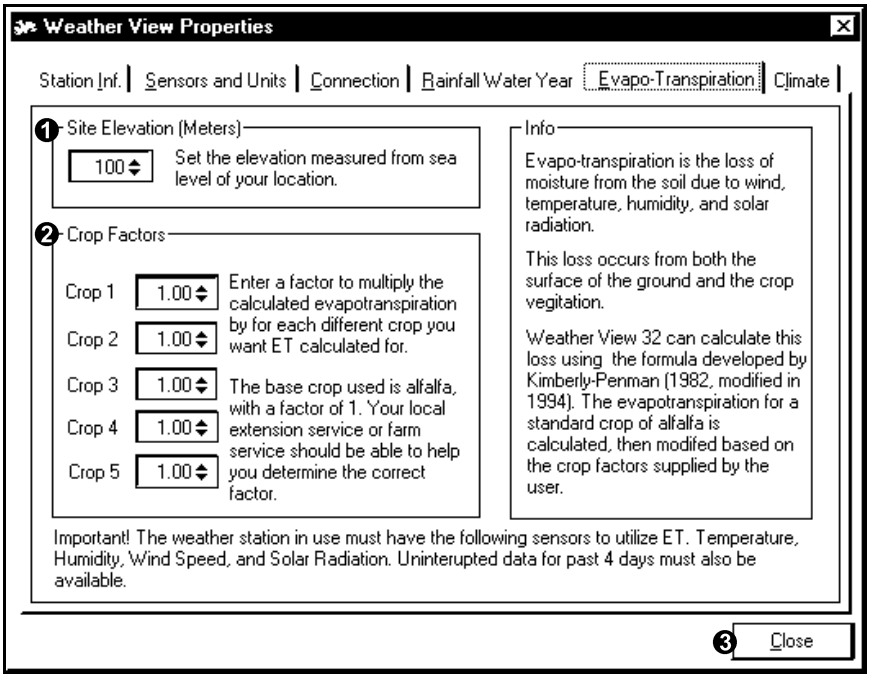


Configuration Steps		
❶		Select the month and day of the first day of the Water Year. The year has no
❷	Close	Click on Close to end or continue on to Evapo-Transpiration.

Evapo-Transpiration

Applies to: ❑ Basic ❑Home ☑Standard ☑Professional ☑Broadcast

Used for: Evapo-Transpiration is the loss of moisture from the soil due to wind, temperature, humidity and solar radiation. Weather View 32 can calculate this loss for crops. To calculate Evapo-Transpiration the weather station sensors must include: temperature, wind speed, humidity and solar radiation. In addition uninterrupted data for the past 4 days is required.

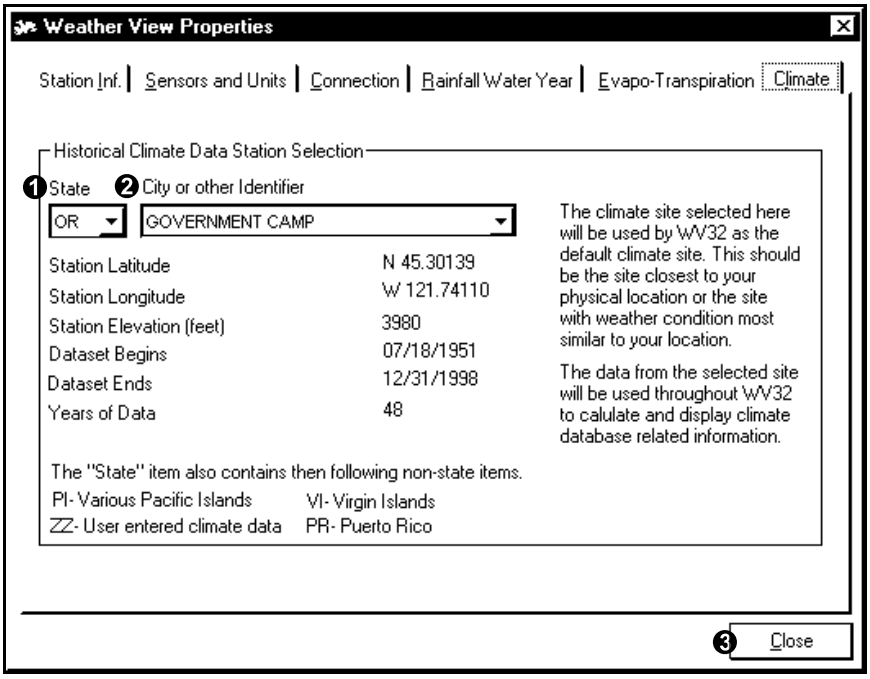


Configuration Steps	
❶ Site Elevation	Measuring from sea level, set the elevation of the weather station location (meters).
❷ Crop Factors	For each crop's Evapo-Transpiration calculation enter the factor. The base factor is 1 for alfalfa. Obtain this information from the local extension service or farm service.
❸ Close	Click on the Climate tab or Close.

Climate

Applies to: ❑ Basic ☑Home ☑Standard ☑Professional ☑Broadcast

Used for: Selecting the site from the Climate Database to use as the default climate site. This should be the site closest to the physical location of the weather station or the site with weather conditions most similar to your location. If you can only see one or two states, the complete database can be installed from your installation CD. Reinstall with the CD over your current installation and the full Climate Database will appear.

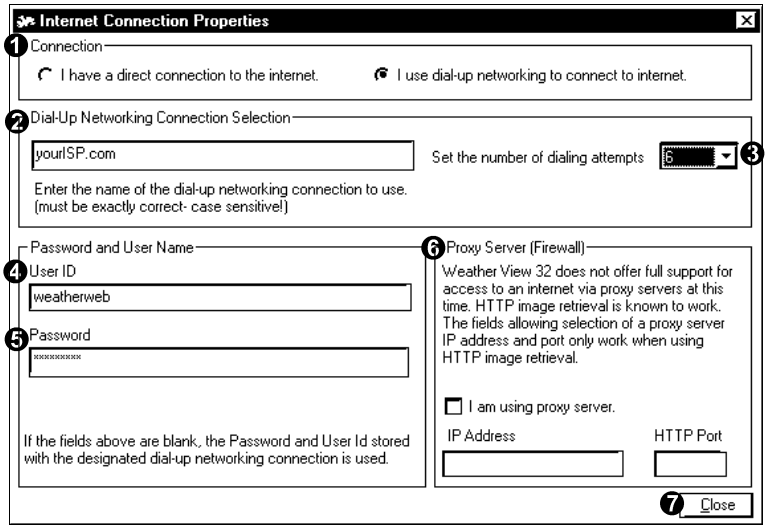


Configuration Steps	
❶ State	Select the State of the climate site to use.
❷ City or other Identifier	Select the City or other identifier of the climate site to use.
❸ Close	Click on the Close button to close.

Internet Connection Properties

Applies to: ❑ Basic ❑ Home ☑Standard ☑Professional ☑Broadcast

Used for: Configure Weather View 32 to communicate with the internet.

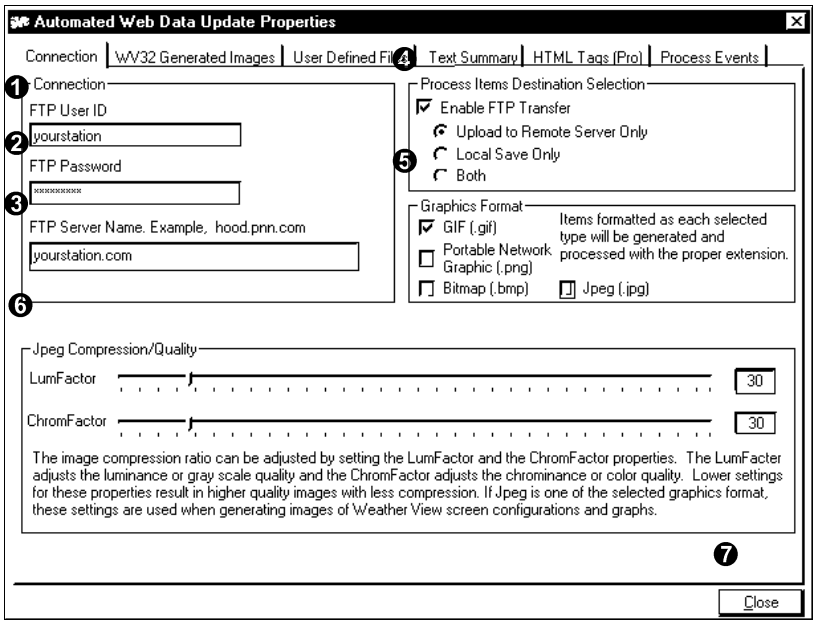


Configuration Steps	
❶ Connection	Choose from one of the two radio buttons. Either use a Direct Connection to the internet OR use Dial-Up Networking to connect to the internet. If Dial-Up networking is chosen, proceed to step 2. If direct connection is chosen, go to step 6 Proxy Server if needed, or close.
❷ Dial-Up Networking Connection Selection	Enter the name of the dial-up networking connection to use *exactly* as it is named on your computer. This entry is case-sensitive.
❸ Set the number of dialing attempts	Set the number of dialing attempts.
❹ User ID	If needed, enter dial-up networking User ID. Only enter if ID is not saved within Dial-Up Networking.
❺ Password	If needed, enter dial-up networking Password. Only enter if Password is not saved within Dial-Up Networking.
❻ Proxy Server (Firewall)	If a Proxy Server exists, click on the I Am Using Proxy Server box. Enter IP Address and HTTP Port.
❼ Close	Click on the Close button to exit this screen.

Connection

Applies to: ❑ Basic ❑ Home ☑Standard ☑Professional ☑Broadcast

Used for: Set the connection parameters related to Automated Web Updates of Weather View 32 data. This is the first of six tabs that describe the how, what, when and where of configuring Weather View 32 to capture and upload images to the internet or to save locally. The images can be preconfigured Real-Time Monitoring screen layouts, user defined graphs, predefined HTML files, and/or a text file containing the past 24 hours data. Additional user defined files can be sent Via FTP. If you want to build a basic one page web page, use the Web Site Creation Wizard rather than this method. The wizard is faster and easier. This method is for the user to who wants multiple pages, and to create HTML code. *Study the tabs on pages 24-32 before attempting to use the internet features!*

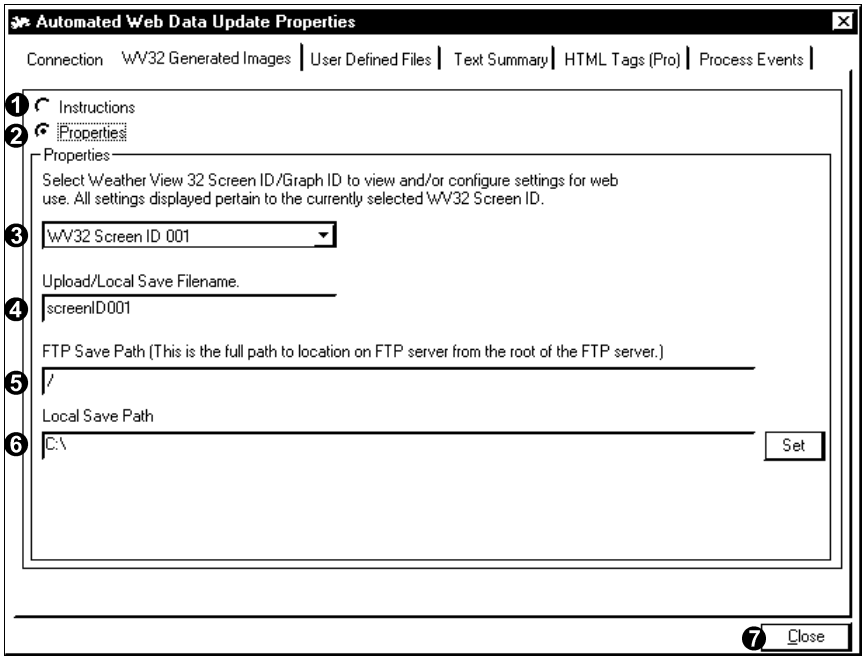


Configuration Steps	
❶ FTP User ID	Enter the FTP user ID.
❷ FTP Password	Enter the FTP password.
❸ FTP Server Name	Enter the FTP server's name.
❹ Enable FTP Transfer	The three options below Enable FTP Transfer to determine what action occurs to the data once generated. Select Upload to Remote Server Only to do just that. Select Local Save Only if you wish to only save the data locally on your computer. If you desire both a Local Save and an Upload to the Remote Server select Both. Click on Enable FTP Transfer check box in order for Process Events to occur.
❺ Graphics Format	Select the graphic format(s) to use when uploading and saving images. If multiple formats are selected, an image is sent in each format (*only the extension of the filename will be different!).*
❻ Jpeg Compression Quality	Setting the compression of the uploaded .Jpg format files affects the quality of the image. File size is inversely proportional to the quality of the image. The default setting offers approximately a 12:1 compression with minimal data loss. *Lower values decrease the amount of compression and increase the size of the uploaded file. JPG is only suitable if a complicated image is selected as the background of a Real-Time Monitoring screen configuration.*
❼	Continue configuration by clicking on the WV32 Generated Images tab.

WV32 Generated Images

Applies to: ❑ Basic ❑ Home ☑Standard ☑Professional ☑Broadcast

Used for: Designates where screen configurations and graphs are saved on FTP server and local computer when the designated screen or graph is processed. Be sure to configure in Process Events. The files are saved in the image format(s) selected on the Connection tab. Do not include any file name extensions.

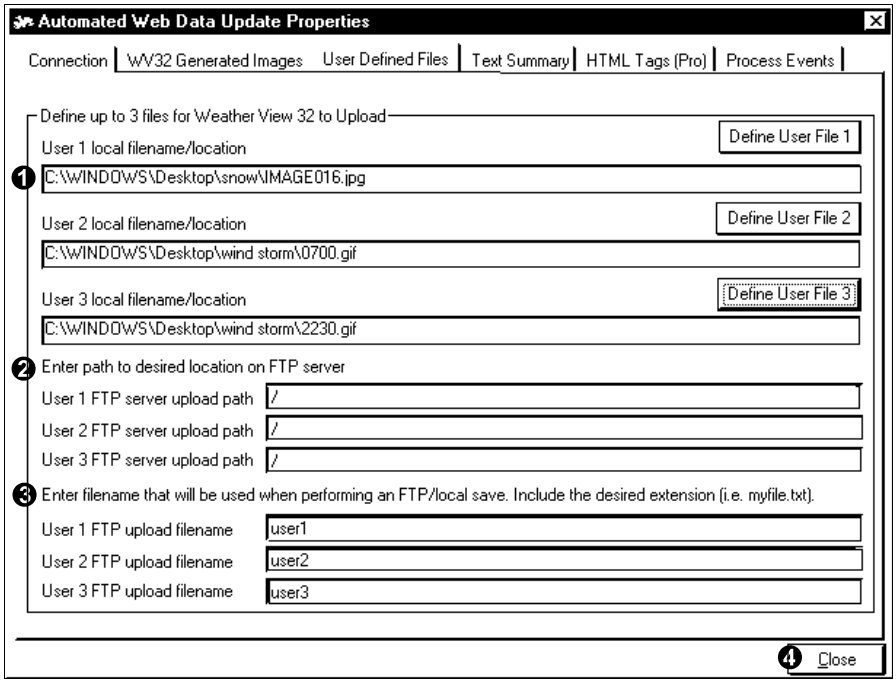


Configuration Steps	
Design Real-Time Monitoring screens and graph configurations under Monitor Weather - Display, then save in Screen File Management before proceeding. (See pages 80 - 82). Save the configurations in Screen File	
❶	Click on Instructions and review the information.
❷	Click on Properties.
❸	Select the Weather View 32 Screen ID or Graph ID to configure from the drop-
❹ Upload/Local Save File name	Enter the file name to be used when a Process Event occurs. *Do not add the file extension.*
❺ FTP Save Path	Enter the full path to location on FTP server from the root of the FTP server.
❻ Local Save Path	Enter Local Save Path or click on the SET button to browse to the desired directory (folder). If the file is to save on a networked computer, map the network
❼ Close	Repeat steps 3 - 6 until all needed screens and graphs are configured, then select

User Defined Files

Applies to: ❑ Basic ❑ Home ☑Standard ☑Professional ☑Broadcast

Used for: Select up to 3 files on your computer which are not generated by Weather View 32 to upload to the internet. The most common use is for a web cam image file. Be sure to configure in Process Events.

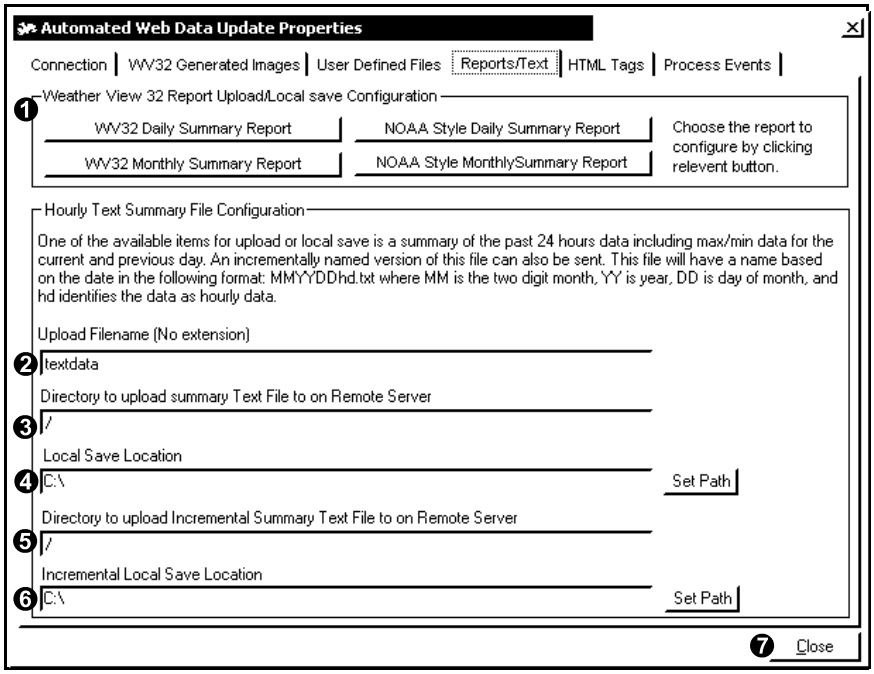


Configuration Steps	
❶ User 1 local filename/location	Browse to the file. Click on the file name. It is automatically entered in the box.
❷ User 1 FTP server upload path	If the file is to be uploaded to a server on the internet, enter the server upload path.
❸ User 1 FTP upload filename	Enter the file name to use when performing an FTP or local save. Include the file extension (i.e. myfile.txt).
❹ Close	Configure User 2 and User 3, select Close, or proceed to the next configuration tab.

Reports/ Text

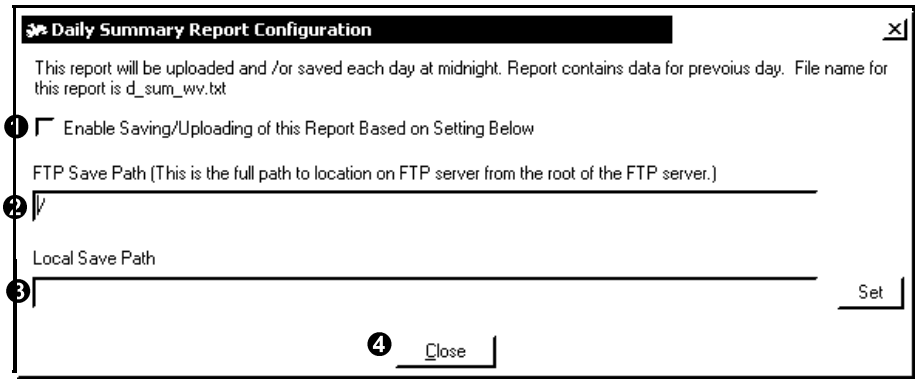
Applies to: ❑ Basic ❑ Home ☑Standard ☑Professional ☑Broadcast

Used for: The Daily Summary, Monthly Summary, NOAA Style Daily Summary and /or the NOAA Style Monthly reports can be sent to a web site daily at midnight. The file name is listed on the following page. The last 48 hour's data can be sent as text to a web site daily at midnight. The Text Summary is a text file of the past 24 hour data including max/min data for the current and previous day. An incrementally named text file can be sent during the first FTP upload after midnight each day. This file's name is based on the date in the following format: MMYYDDhd.txt where MM is the two-digit month, YY is the year, DD is the day of the month and hd identifies the data as hourly data.



Configuration Steps	
❶ Report Upload/ Local Save Configuration	Select the report to configure for upload to a web site. When the new window appears, follow the instructions on the following page.
❷ Upload File Name	Enter the filename to use when uploading this file to the remote server. Do not enter an extension when specifying the upload file name - .txt is automatically appended.
❸ Directory to upload to	Enter the path for the Text Summary File to Upload to on the remote server . Be sure to include full path information. The path is not relative to your login location.
❹ Local Save Location	Set the Local Save Location (Path). Click on the Set Path button to browse to the desired directory (folder).
❺ Directory to Upload to on Remote Server	Enter the path on the remote server to upload the incremental version of the summary text file. Be sure to include full path information. The path is not
❻ Incremental Local Save Location	Set the Local Save Location (Path) for the incremental file. Click on the Set Path button to browse to the desired directory (folder).
❼ Close	Click on Close or continue to the next tab.

Reports/ Text (continued from previous page)

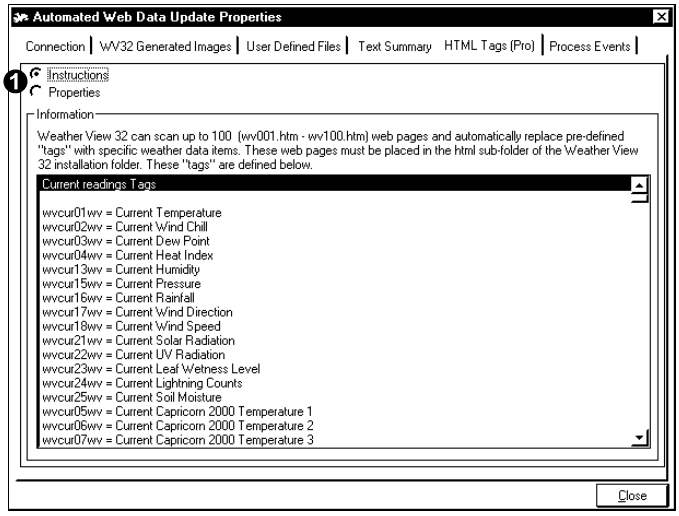


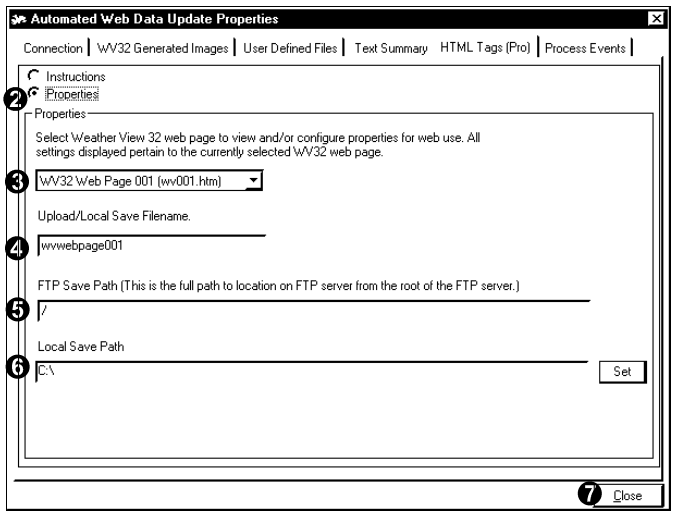
Configuration Steps		
❶		Click on the box to enable the report to upload each day at midnight. The file name is specific to each report. There are four unique reports to uploaded. Daily Summary Report— d_sum_wv.txt Monthly Summary Report— m_sum_wv.txt NOAA Style Daily— noaa_d_sum_wv.txt NOAA Style Monthly— noaa_m_sum_wv.txt
❷	FTP Save Path	Enter the path on the internet server to Upload the Text Summary File. Be sure to include full path information. The path is not relative to your login location.
❸	Local Save Path	Set the Local Save Location (Path). Click on the Set Path button to browse to the desired directory (folder).
❹	Close	Click on Close or continue to the next tab.

HTML Tags

Applies to: ❑ Basic ❑Home ❑Standard ☑Professional ☑Broadcast

Used for: Weather View 32 can take a user provided web page and perform a parse (i.e. search and replace) of pre-defined HTML tags which are assigned to a particular weather related data item. This feature uses a template web page containing these WV32 tags and replaces the "tag" with the correct data, then WV32 uploads the new page to your site. Up to 100 web pages may be parsed. These tags are fully defined within this section of Weather View 32 and are available as a text file within the HTML Parsing folder of Weather View 32 with the file name htmltags.txt. Additional information on HTML parsing is found on the next two pages.





Configuration Steps	
❶	Click on Instructions and review the information.
❷	Click on Properties to begin the configuration process.
❸ Weather View 32 Web Page to Configure	Select the HTML page to configure from the drop-down list. *Do not use file name Web Page 001 (wv001.htm) this file name is reserved for the Web Site Creation Wizard.*
❹ Upload/Local Save File Name	Enter the name to use when uploading or saving web pages locally. *Do include the file name extension.*
❺ FTP Save Path	Enter the full path to the location on the FTP server from the root of the FTP server.
❻ Local Save Path	Set the Local Save Location (Path). Click on the Set Path button to browse to the desired directory (folder).
❼ Close	Click on Close or continue to the next tab.

HTML Tags *(continued from previous page)*

A few of the more common tags are listed below:

```
Current readings Tags

wvcur01wv = Current Temperature
wvcur02wv = Current Wind Chill
wvcur03wv = Current Dew Point
wvcur04wv = Current Heat Index
wvcur13wv = Current Humidity
wvcur15wv = Current Pressure
wvcur16wv = Current Rainfall
wvcur17wv = Current Wind Direction
wvcur18wv = Current Wind Speed
wvcur21wv = Current Solar Radiation
wvcur22wv = Current UV Radiation
wvcur23wv = Current Leaf Wetness Level
wvcur24wv = Current Lightning Counts
wvcur25wv = Current Soil Moisture
wvcurutwv = Time Page Created
wvcurudwv = Date Page Created

Rainfall, Temperature and Pressure Rate of Change Tags

wvrratewv = Rainfall Rate
wvtratewv = Temperature Rate of Change
wvpratewv = Pressure Rate of Change
```

Up to 100 HTML pages can be parsed by WV32 during each process event (Process Events are set(s) of files to send to the FTP server at particular times– see page 28). These ten pages must be named wv01.htm - wv10.htm and placed within the HTML subfolder of WV32's installation folder.

The following page shows a sample HTML file which has WV32 tags embedded. Study this for a clearer understanding of what WV32 does during the parsing procedure. The text below shows how the HTML page detailed on the next page would appear within a web browser.

Current Weather Conditions as of 02/08/99, 09:20 pm

Temperature	31.1 °F
Dew Point	31.1 °F
Heat Index	31.1 °F
Wind Chill Factor	31.1 °F
Relative Humidity	100 %Rh
Barometric Pressure	29.65 InHg
Rainfall Since Midnight	0.00 In
Wind Direction	W
Wind Speed	0 Mph
Peak Wind Gust	0 Mph
High Since Midnight	43.5 °F
Low	25.5 °F
Sunrise	07:23 am
Sunset	05:29 pm

HTML Tags *(continued from previous page)*

These two tags are replaced with the date and time that this page's data is based upon.

```
<html>
<head>
<title>Weather View Sample Parsed HTML Page</title>
</head>
<body>
<p align="center"><font color="#0000FF">Current Weather Conditions as of ,wvcurudwv,wvcurutwv</font></p>
<div align="center"><center>
<table border="0" cellpadding="0" width="300">
 <tr>
  <td><p align="left">Temperature</td>
  <td><p align="left">wvcur01wv</td>
 </tr>
 <tr>
  <td><p align="left">Dew Point</td>
  <td><p align="left">wvcur03wv</td>
 </tr>
 <tr>
  <td><p align="left">Heat Index</td>
  <td><p align="left">wvcur04wv</td>
 </tr>
 <tr>
  <td><p align="left">Wind Chill Factor</td>
  <td><p align="left">wvcur02wv</td>
 </tr>
 <tr>
  <td><p align="left">Relative Humidity</td>
  <td><p align="left">wvcur13wv</td>
 </tr>
 <tr>
  <td><p align="left">Barometric Pressure</td>
  <td><p align="left">wvcur15wv</td>
 </tr>
 <tr>
  <td><p align="left">Rainfall Since Midnight</td>
  <td><p align="left">wvcur16wv</td>
 </tr>
 <tr>
  <td><p align="left">Wind Direction</td>
  <td><p align="left">wvcur17wv</td>
 </tr>
 <tr>
  <td><p align="left">Wind Speed</td>
  <td><p align="left">wvcur18wv</td>
 </tr>
 <tr>
  <td><p align="left">Peak Wind Gust</td>
  <td><p align="left">wvhigh18wv</td>
 </tr>
 <tr>
  <td><p align="left"></td>
  <td><p align="left"></td>
 </tr>
 <tr>
  <td><p align="left"><font color="#FF0000">High Since Midnight</font></td>
  <td><p align="left"><font color="#FF0000">wvhigh01wv</font></td>
 </tr>
 <tr>
  <td><p align="left"><font color="#0000FF">Low </font></td>
  <td><p align="left"><font color="#0000FF">wvlow01wv</font></td>
 </tr>
 <tr>
  <td><p align="left"></td>
  <td><p align="left"></td>
 </tr>
 <tr>
  </html>
```

This tag is replaced with the current outside temperature.

This tag is replaced with the dew point.

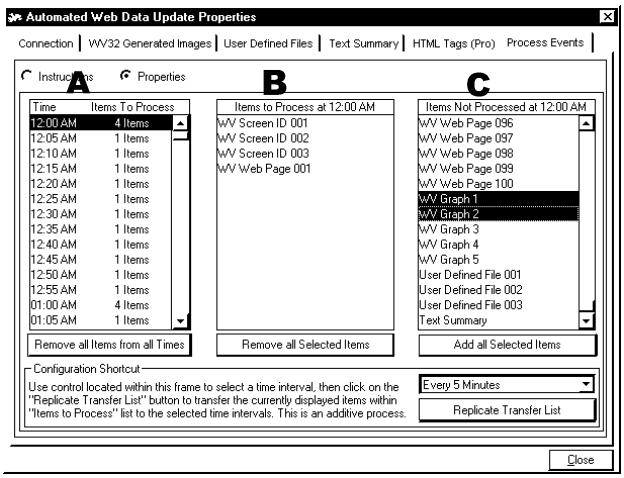
This tag is replaced with the heat index.

Process Events

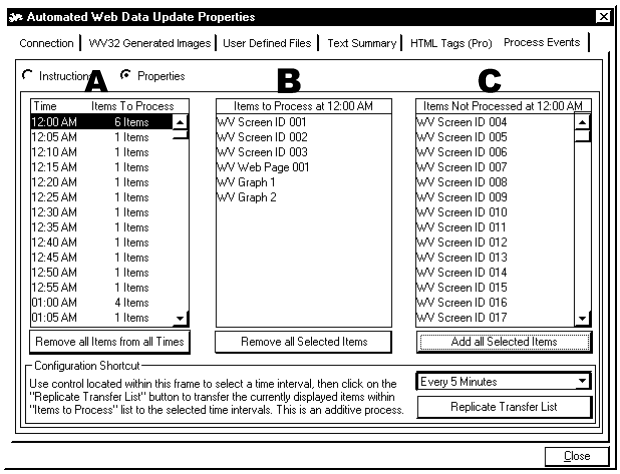
Applies to: ❑ Basic ❑ Home ☑Standard ☑Professional ☑Broadcast

Used for: Select files to upload or save locally at user-specified times or time intervals each day. Different sets of files can be sent at different times, or the same set of items can be sent repeatedly. The Standard Edition only supports hourly events. This page describes and shows the Process Events tab being configured.

I



II



*Panel **A** is a list of times at 5-minute intervals showing the number of items to process in any time slot.*

*Panel **B** is the list of Items to Process at the time highlighted in Panel A.*

*Panel **C** is the list of Items Not to Process. Files unavailable for processing are grayed out.*

Files to Send	Frequency
WV Screen ID 001	Hourly
WV Screen ID 002	Hourly
WV Web Page 001	Hourly
WV Screen ID 003	Every 5 Minutes
WV Graph 1	Once a day at midnight
WV Graph 2	Once a day at midnight

Send WV Screen ID 001, WV Screen ID 002 , and WV Web Page 001 hourly.

1. In Panel C select WV Screen ID 001, WV Screen ID 002 , and WV Web Page 001.
2. Click on Add All Selected Items button. WV Screen ID 001, WV Screen ID 002 , and WV Web Page 001 appear in Panel B.
3. Select Every 60 Minutes within the Configuration Shortcut area.
4. Click on Replicate Transfer List. Panel A shows 3 items to process every hour on the hour.

Send WV Screen ID 003 every five minutes.

1. Select a 5 minute interval other than midnight in Panel A .
2. Select WV Screen ID 003 in Panel C.
3. Click on Add All Selected Items button. WV Screen ID 003 appears in Panel B.
4. Select Every 5 Minutes within the Configuration Shortcut area.
5. Click on Replicate Transfer List. See Figure I Panel A—note that there are 4 items to process on the hour and 1 every 5 minutes.

Send WV Graph 1 and WV Graph 2 once a day at midnight.

1. Select Midnight in Panel A.
2. Select WV Graph 1 and WV Graph 2 in Panel C.
3. Click on Add All Selected Items button. WV Graph 1 and WV Graph 2 appear in Panel B.

Review Figure II. Panel A shows 6 items to process every hour on the hour and 1 item to process every 5 minutes. Panel B shows WV Screen ID 001, WV Screen ID 002 , WV Web Page 001, WV Graph 1 and WV Graph 2 are scheduled to process at midnight.

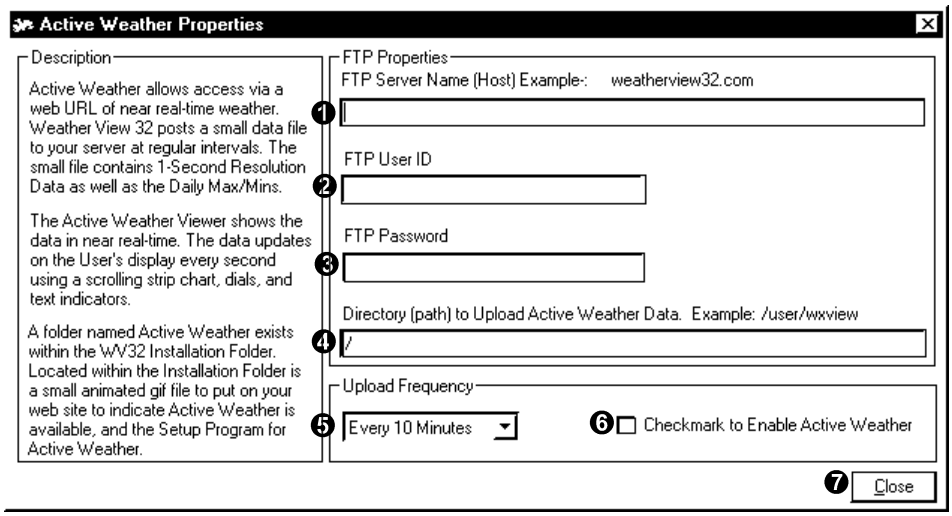
If problems occur, clear all processes and start over. Click on the Remove all Items from all Times button.

To observe the internet actions taken by Weather View 32 as they occur watch the Internet Server. More information on Internet Server is available in Appendix C.

Active Weather Properties

Applies to: ❑ Basic ❑ Home ☑Standard ☑Professional ☑Broadcast

Used for: Active Weather enables your web site visitors to view your station's weather in near real-time via the internet using the Active Weather Viewer. Your station uploads 1-second resolution data and the daily max/mins to the assigned web URL. The data updates on the visitor's Active Viewer every second using a scrolling strip chart, dials and text indicators. The Viewer automatically detects your station's upload frequency and retrieves new data as available. See Appendix D—Active Weather Viewer.

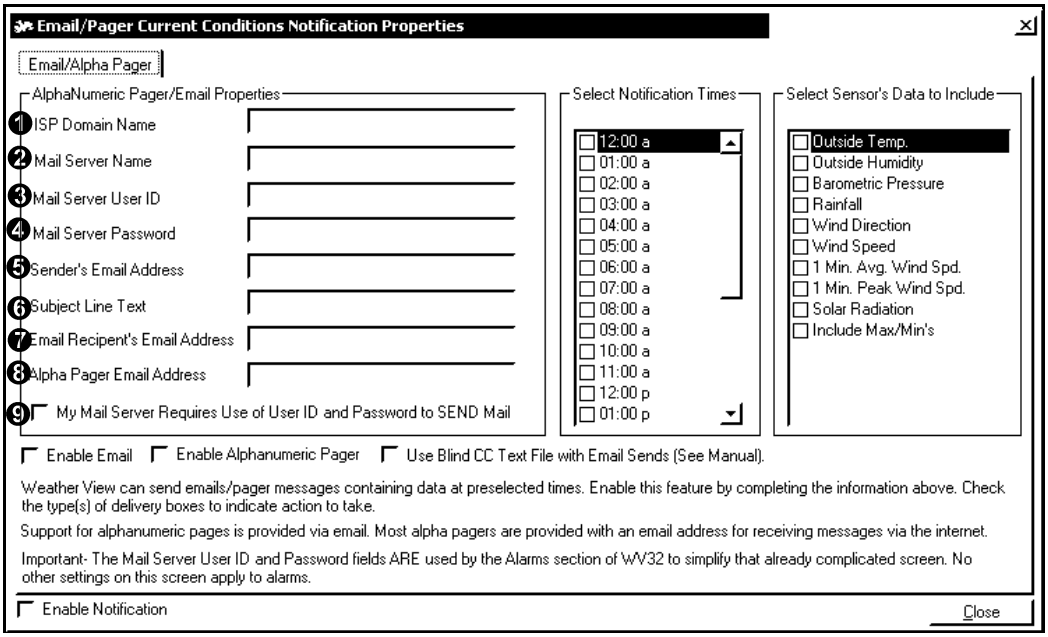


Configuration Steps	
A. Place the Active Weather wvactive.gif on your web page to notify users that your station's data is available for download. The file wvactive.gif and Setup Program are located in the WV32 Installation Folder, Active Viewer subfolder. We recommend placing a link on your web page to http:/www.weatherview32.com/activesetup.exe B. An image file can be placed on visitor's downloaded Active Weather Viewer. That image might be an advertisement or information on your site. When a visitor downloads the Viewer, the image (wvactive.png) is placed on their Active Viewer. The image must be named wvactive.png. The file must be 250 pixels wide and 100 pixels high and placed in the same folder on your FTP server as the Active Weather Data.	
❶ FTP Server Name	Enter the FTP server name. For example: XYZ.com
❷ FTP User ID	Enter the FTP user ID.
❸ FTP Password	Enter the FTP password.
❹ Directory to upload	Enter the destination directory (path) where the Active Weather file will be located. For example: /user/weather
❺ Upload Frequency	Choose how often to upload the Active Weather file.
❻ Enable Active Weather	Check this box to enable Active Weather.
❼ Close	Click on Close to Exit.

Email/ Pager Current Conditions Notification Properties

Applies to: ❑ Basic ❑Home ❑Standard ☑Professional ☑Broadcast

Used for: Send email and/or alpha pages of all or selected sensors user-specified times daily. The data can be sent to a standard email account or an email account which activates an alphanumeric pager. The current conditions can be sent as often as hourly. Different sets of selected sensor data can be sent to both types of email accounts. *This feature is entirely separate and different than an Alarm. Alarms are sent to email, alpha pager, and/or a numeric pager when a specific weather condition is met.* See pages 62-63.

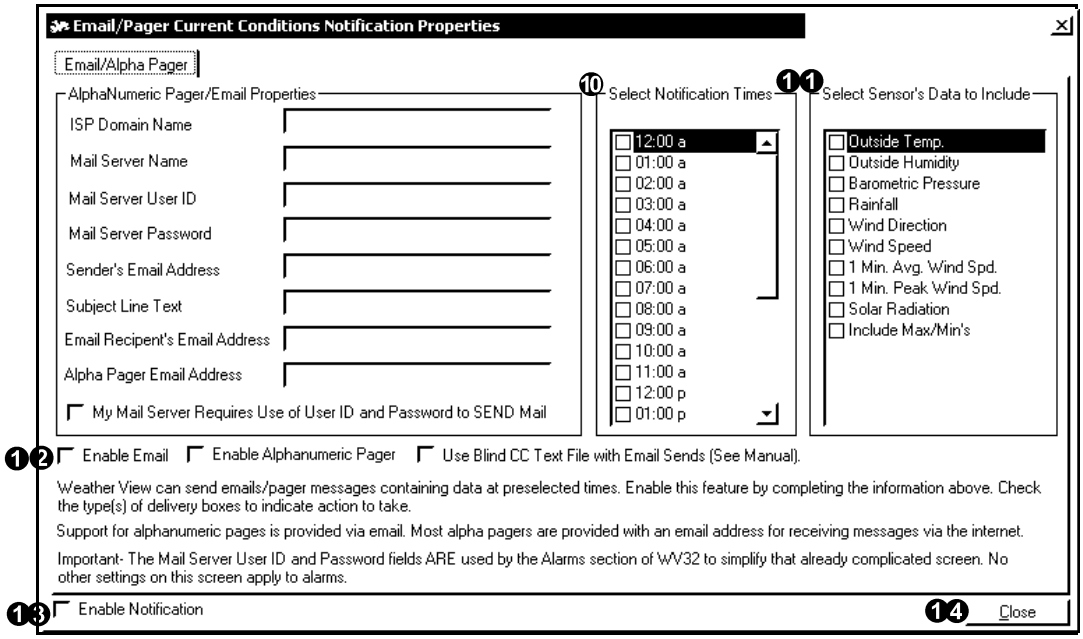


Configuration Steps	
❶ ISP Domain Name	Enter your ISPs domain name.
❷ Mail Server Name	Enter the name of your mail server.
❸ Mail Server User ID	Enter your User ID for the mail server. (See tip below.)
❹ Mail Server Password	Enter your Password for the mail server.
❺ Sender's Email Address	Enter the sender's email address.
❻ Subject Line Text	Enter the subject line of the email.
❼ Email Recipient's Email Address	Enter the email recipient's email address.
❽ Alpha Pager Email Address	Enter the alphanumeric email pager's address.
❾	Click on the box if your mail server requires a User ID and Password to Send Mail.

(Continued on the next page.)

Tip: The Mail Server User ID and Password fields are the same as those used by the Alarms section.

Email/ Pager Current Conditions Notification Properties (continued from previous page)



Configuration Steps	
⑩ Select Notification Times	Email notification of the current conditions can occur once per hour. Click on the box to check mark the hours during the day that you wish email notification to occur.
⑪ Select Sensor's Data to Include	Check mark the sensor's data to include. If the Include Max/Min's is marked, the data being sent includes the maximum and minimum values since midnight.
⑫ Enable Email Enable Alphanumeric Pager Use Blind CC Text File	Click on Enable Email, Enable Alphanumeric Pager, and/or Use Blind CC to activate the process of sending email of the selected sensors at the selected times. More than one can be enabled. See descriptive box below.
⑬ Enable Notification	Click on Enable Notification to activate the notification process.
⑭ Close	Click on Close to exit this screen.

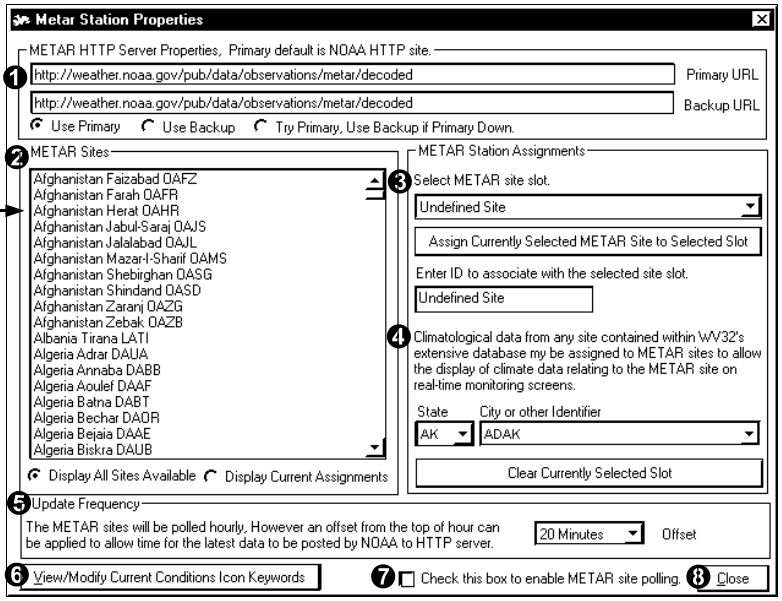
If using the Blind CC, (Blind Carbon Copy), a file called blindcc.txt must be created in WV32 installation folder. Enter each email address, one address per line to the text file. After the final address is entered enter the final line as blindccend exactly.

METAR Station Properties

Applies to: ❑ Basic ❑Home ❑Standard ☑Professional ☑Broadcast

Used for: Set up METAR stations to monitor. Assign up to 150 stations.

List of all possible stations. Not all are active and some only report data during storms or daylight hours. Most US stations report data hourly.



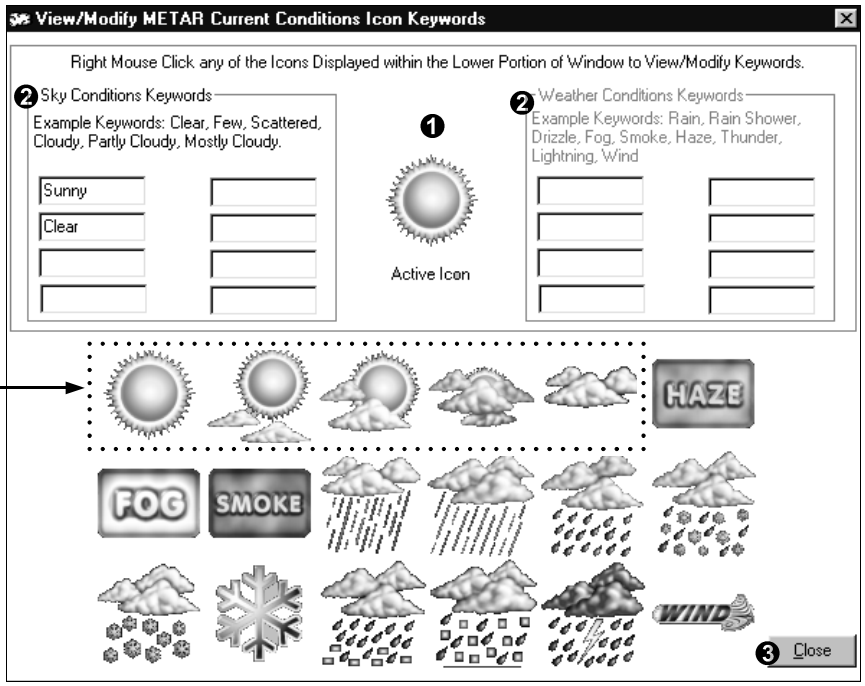
Configuration Steps	
❶ URL Address	A. Enter the Primary URL to the HTTP site containing METAR data. The default is the NOAA HTTP site. B. Enter the Backup URL to the HTTP site containing METAR data. The default is the NOAA HTTP site. A commercial site will soon be available as backup. C. Select one of the three radio buttons Use Primary, Use Backup, Try Primary, Use Backup if Primary Down.
❷ METAR Sites	Select site to assign from the list. Choose whether to display All Sites Available or Current Assignments only (A quick way to review all current assignments).
❸ METAR Station Assignments Assign to Currently Selected METAR Site	Select the METAR Site Slot to modify from the drop down list box (150 slots are available). Enter an ID to associate with this site. Click on the Assign to Currently Selected METAR Site button.
❹ State City or other Identifier	If monitoring a METAR site currently contained in the Climate Database, then choose the matching State and City to display historical data. Repeat steps 2—4 for additional sites.
❺ Update Frequency	Select the number of minutes to offset polling. (To allow scheduling the METAR poll for when the METAR data has been updated by NOAA).
❻ View/Modify Current Conditions Icon Keywords	Click on View/Modify Current Conditions Icon Keywords to review the keywords Weather View 32 uses to determine which icon to display. Go to next page to view and modify keywords or continue to step #7.
❼ Enable METAR Site Polling	Check this box to indicate Weather View 32 is to poll when the Real-Time Monitoring Screen is active.
❽ Close	Click on Close to exit this screen.

METAR Icon Keyword Properties

Applies to: ❑ Basic ❑Home ❑Standard ☑Professional ☑Broadcast

Used for: Reviewing and modifying the keywords Weather View 32 uses to determine which METAR sky or weather icon to display when using the METAR Sky/Weather Conditions Icon display object.

The icons located within the dotted area are Sky Conditions. All others are Weather Conditions.

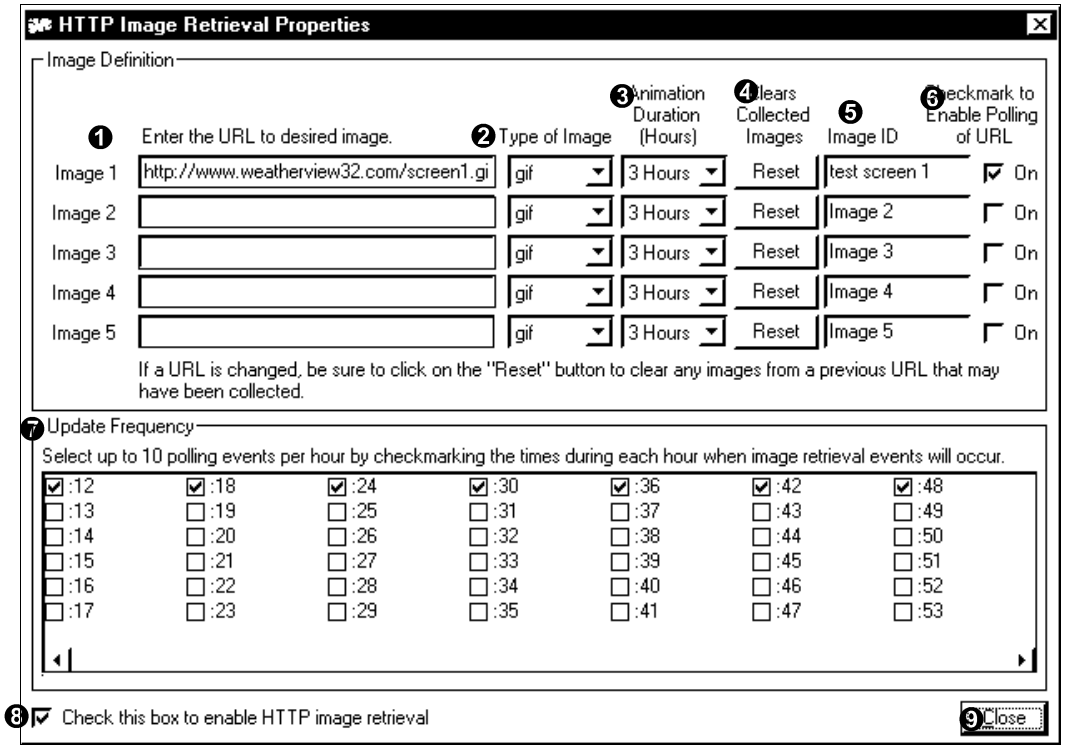


Configuration Steps	
Weather View 32 scans the Sky Conditions and Weather Conditions keywords from decoded METAR data retrieved from designated server, and displays the appropriate icon.. When sky and weather conditions keyword(s) appear in the data, the weather conditions icon displays.	
❶	Icons within the dotted rectangle are Sky Condition icons, all others are Weather Condition icons. Click on any of the icons in the lower area. The icon selects and displays in the center area. When the icon is selected, the associated keywords appear in the appropriate boxes.
❷	Review the associated keywords. Enter other keywords to associate with this icon. From time-to-time METAR sites change the words used to represent the different conditions. Enter the new keyword and when the keyword appears in the one-word weather description, the associated icon will appear.
❸	Repeat steps 1—3 for any keywords to review or modify. When complete, click on Close to exit and return to the METAR Station Properties window. (Continue from step 6 on prior page).

HTTP Image Retrieval Properties

Applies to: ❑ Basic ❑Home ❑Standard ☑Professional ☑Broadcast

Used for: This feature allows Weather View to capture web images and then to animate them. This feature is primarily used for capturing satellite images and radar images for display and animation.

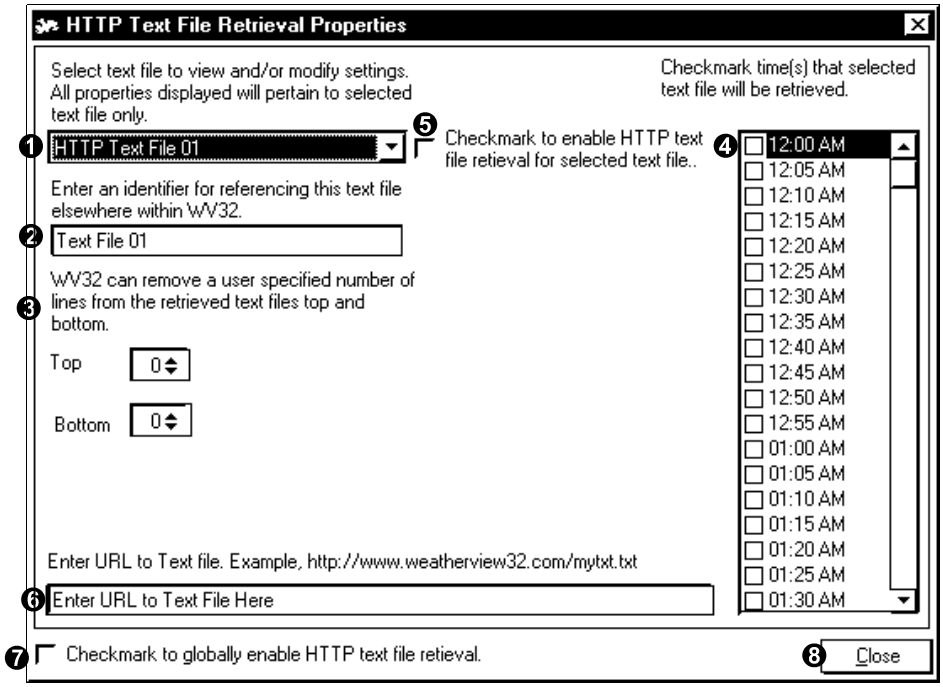


Configuration Steps	
❶ URL to desired image	Enter the URL to the image. This is not the HTML page that contains the image, it is the exact URL to the image. A quick way to obtain this information is to go to the page where the desired image is located. Right mouse click on the image, click Properties, the URL image URL displays. Cut, copy, and paste to this box. Example: http://wwww.weatherview32.com/banner.gif
❷ Type of Image	Select the type of image that the URL points to.
❸ Animation Duration	Select the duration to buffer files for animation (For example, Weather View might collect a satellite photo every 30 minutes. If the Animation Duration is 3 hours, when the images are animated, only the files captured during the past 3 hours are animated.)
❹ Reset	Clears all stored images for selected image.
❺ Image ID	Enter the Image ID of the file. Any user defined name can be used.
❻ Enable Polling of URL	Click to enable polling of the individual URL's.
❼ Update Frequency	Select up to 10 times per hour to check for updated images.
❽ Enable HTTP Image Retrieval	Check this box to tell Weather View to collect HTTP images
❾ Close	Click on the Close button to exit.

HTTP Text File Retrieval Properties

Applies to: ❑ Basic ❑Home ❑Standard ☑Professional ☑Broadcast

Used for: Retrieve text files from the internet to display on Weather View 32 screens. This feature is used most frequently for capturing a forecast to display. Up to 20 text files can be configured for retrieval.

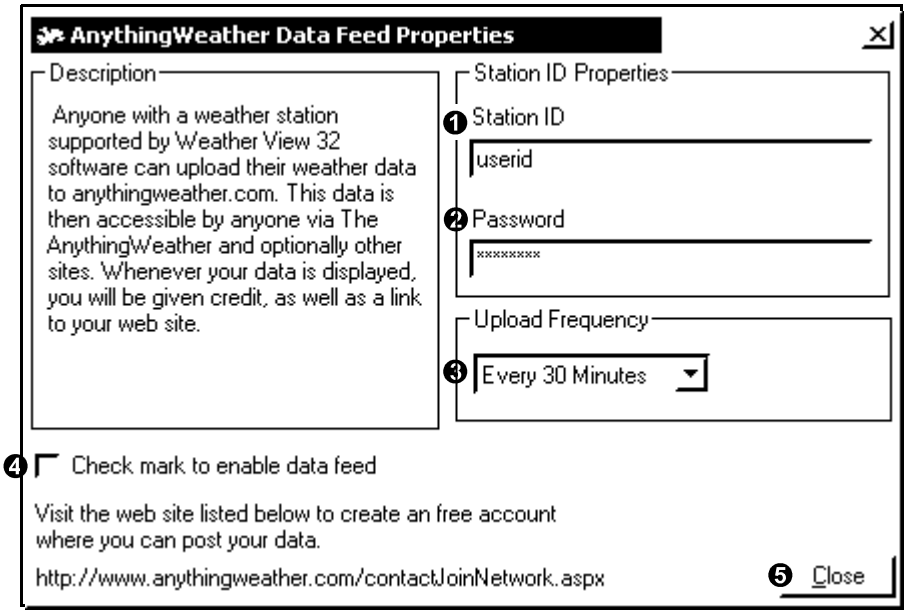


Configuration Steps	
❶ Select text file to view or modify	Select text file from the drop down list.
❷ Enter an identifier	Enter an identifier to reference this file elsewhere within Weather View 32.
❸ Skip Unwanted Lines	To remove lines from the top or bottom of the retrieved text file use the spin buttons. The number represents the number of lines to remove.
❹ Text File Retrieval Times	Check mark the time(s) for Weather View 32 to retrieve the text file from the Internet.
❺ Enable HTTP Text File Retrieval	Check the enable box to activate retrieval for the selected file.
❻ Enter URL to Text File	Enter the UR of the text file to retrieve from the Internet. Repeat steps 1—5 for additional text files.
❼ Globally Enable HTTP Text File Retrieval	Check the Globally Enable box when all files to be retrieved are configured.
❽ Close	Click on the Close button to Exit.

Anything Weather and/or Weather Underground

Applies to: ❑ Basic ❑Home ☑Standard ☑Professional ☑Broadcast

Used for: Sending your weather station's data to the Anything Weather site and/or the Weather Underground web site. Both Weather Underground and anything weather are a network of weather stations. Data uploaded to the Weather Underground site is available to site visitors by using a web browser. Visit anythingweather.com or weatherunderground.com to learn more about these sites.

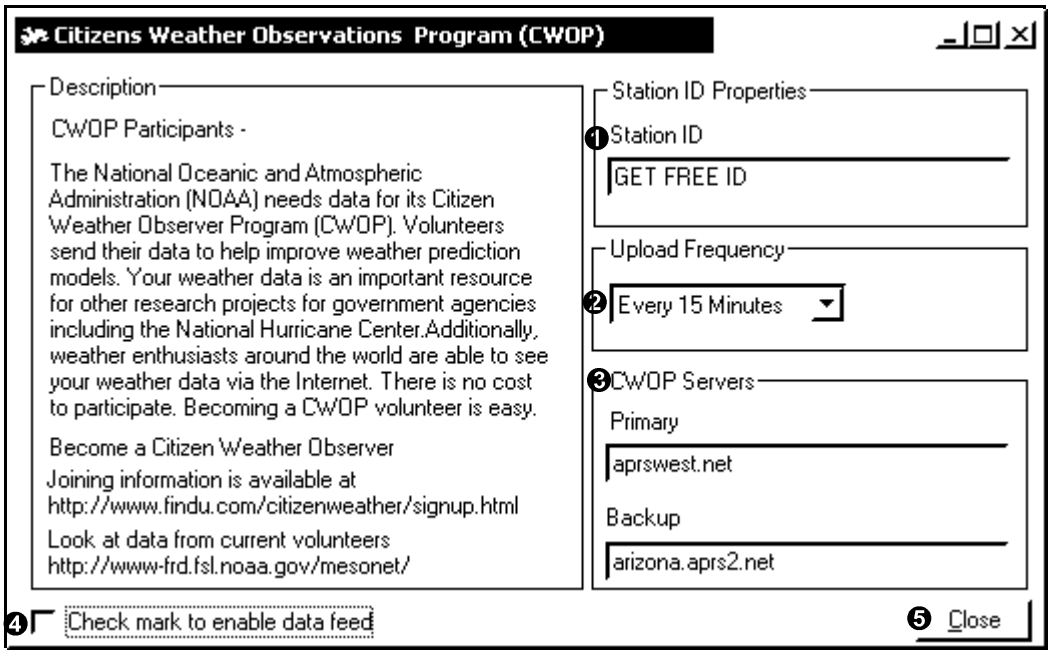


Configuration Steps	
Before configuring this window, go to the web site listed for Anything Weather and/or Weather Underground and create an account with password. The steps are the same for both. Anything Weather— http://www.anythingweather.com/contactJoinNetwork.aspx Weather Underground — http://www.wunderground.com/weatherstation/usersignup.asp	
❶ Station ID	Enter the station identifier assigned.
❷ Password	Enter the password for your account.
❸ Upload Frequency	Choose how often to upload your station's data to the site.
❹ Enable	Check the enable box to activate the data feed.
❺ Close	Click on the Close button when complete.

Citizens Weather Observer Program

Applies to: ❑ Basic ❑Home ☑Standard ☑Professional ☑Broadcast

Used for: Sending data to the NOAA Citizens Weather Observer Program. See text in the program window for more information or go to the sites listed.

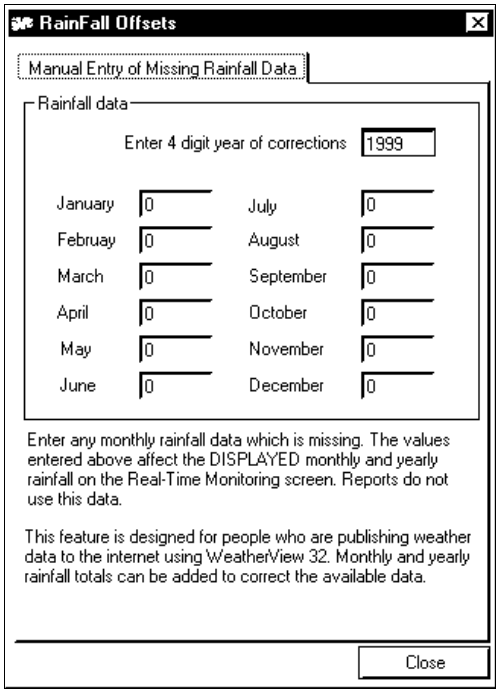


Configuration Steps	
❶ Station ID	Enter the station identifier assigned.
❷ Upload Frequency	Choose how often to upload your station's data to the site.
❸ CWOP Servers	Enter the CWOP server name.
❹ Enable Data Feed	Check the enable box to activate the data feed.
❺ Close	Click on the Close button to Exit.

Rainfall Offsets

Applies to: ☑Basic ☑Home ☑Standard ☑Professional ☑Broadcast

Used for: Users who are using the internet features of Weather View 32 may wish to display correct monthly and yearly rainfall totals when incomplete data is present.



Enable DDE Links While in Real-Time Monitoring

Applies to: ❑Home ❑Standard ☑Professional ☑ Broadcast

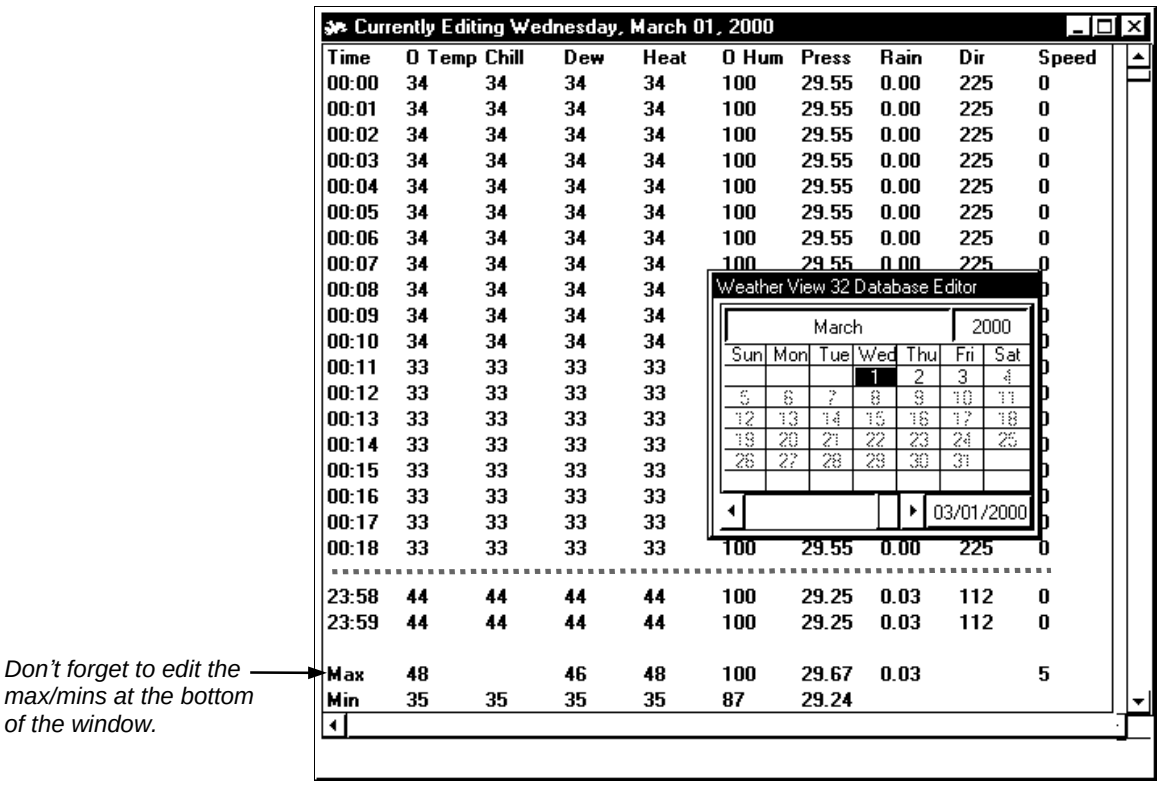
Used for: If this menu item is checked, Weather View provides DDE links to all current weather conditions while in Real-Time Monitoring. This menu item toggles on and off.

See the station specific Quick Start Guide at the front of this manual for instructions.

Edit Weather Database

Applies to: ☑Basic ☑Home ☑Standard ☑Professional ☑Broadcast

Used for: Weather View contains a database editor which allows modification of individual database entries. Because of the large amount of data stored, modification is very tedious if many values need to be corrected. If it appears a sensor on the weather station is reporting invalid data, use this tool to view the raw data.



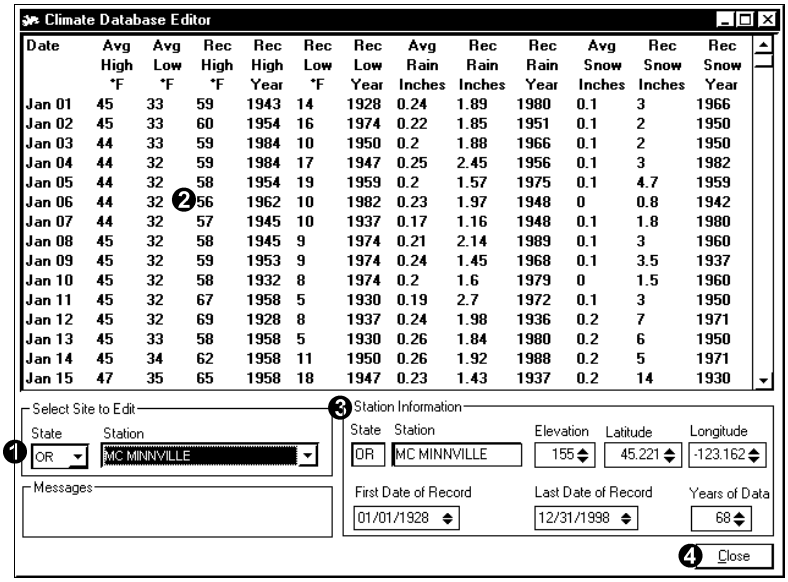
Time	O Temp	Chill	Dew	Heat	O Hum	Press	Rain	Dir	Speed
00:00	34	34	34	34	100	29.55	0.00	225	0
00:01	34	34	34	34	100	29.55	0.00	225	0
00:02	34	34	34	34	100	29.55	0.00	225	0
00:03	34	34	34	34	100	29.55	0.00	225	0
00:04	34	34	34	34	100	29.55	0.00	225	0
00:05	34	34	34	34	100	29.55	0.00	225	0
00:06	34	34	34	34	100	29.55	0.00	225	0
00:07	34	34	34	34	100	29.55	0.00	225	0
00:08	34	34	34	34					0
00:09	34	34	34	34					0
00:10	34	34	34	34					0
00:11	33	33	33	33					0
00:12	33	33	33	33					0
00:13	33	33	33	33					0
00:14	33	33	33	33					0
00:15	33	33	33	33					0
00:16	33	33	33	33					0
00:17	33	33	33	33					0
00:18	33	33	33	33	100	29.55	0.00	225	0
23:58	44	44	44	44	100	29.25	0.03	112	0
23:59	44	44	44	44	100	29.25	0.03	112	0
Max	48		46	48	100	29.67	0.03		5
Min	35	35	35	35	87	29.24			

Steps to modify data	
❶	A spreadsheet style interface is used to access the data.
❷	Select the date to modify from the floating calendar.
❸	Click on the cell to modify and make any desired changes. The values entered must be in English units of measure. To mark a cell as containing missing data leave the field blank.
❹	Exit the cell. When you leave a cell, the data contained in the cell is validated. If the change is outside of acceptable ranges, a notification window pops up. You can not proceed until a valid value is entered into the cell. Once valid data has been entered into a cell and the cell has been
❺	Be sure to click out of the last modified cell before closing this window to save the changes in that cell. Exit by clicking on the X in the upper right hand corner.

Climate Database Editor

Applies to: ❑ Basic ❑ Home ☑Standard ☑Professional ☑Broadcast

Used for: Modify any of the over 8200 climate data sites included with Weather View 32. The last 10 sites are blank to allow the entry of user climate data. Select the ZZ state code to access these sites. The climate database in version 7.0 is updated to the end of 2004. If your Climate Database reflects, only two states, reinstall from the cd to get the full database. (The Trial version contains only two states.)



Modification Steps	
❶ Select Site to Edit	To edit existing data, select the State and Station using the combo boxes below the spreadsheet. To add data to a new site, choose from one of the 10 blank stations under the ZZ State Code. If a ZZ station is selected, the user can change the station identifier.
❷ Modify Data	Weather View 32 uses a spreadsheet style interface to enter or edit the climate database. A. Click on the cell to change. Enter in the desired value. B. To save the changes in a cell, leave the cell by clicking elsewhere or tab. *C. Be sure to click out of the last cell entered before closing the Climate Database Editor window.* Any fields that are blank consist of missing or unreported data. For example, in locations where snow has never occurred on a particular date, blanks show in the record snow year column.
❸ Station Information	The elevation, latitude, longitude, first date of record, last date of record and years of data for all sites appears in the Station Information box.
❹ Close	Click on the Close button to exit this screen.

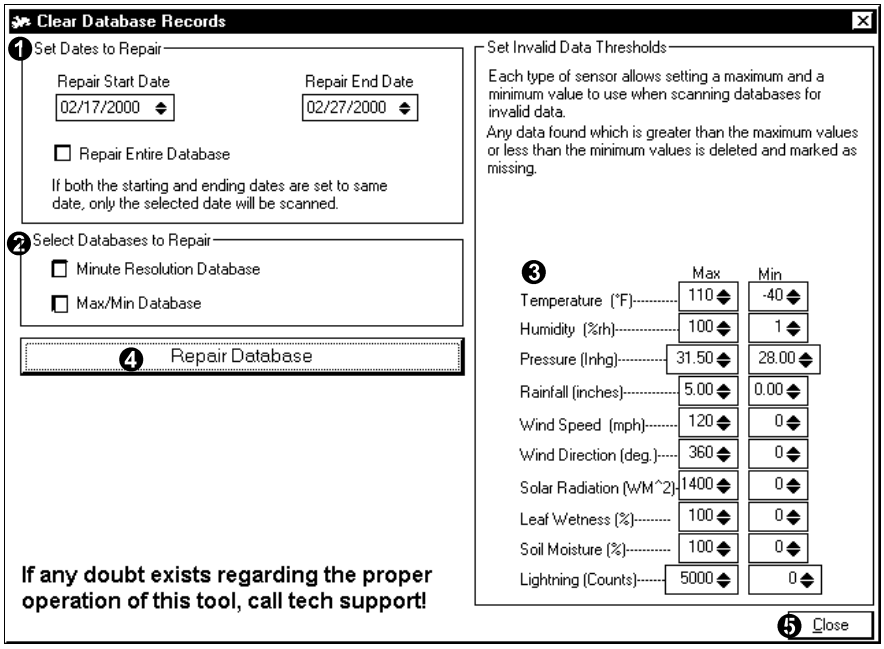
Valid Data Ranges		
	Low	High
Temperature	-110° F	+145° F
Rainfall and Snowfall	0.00”	+300.00”
Year	1800	2054

Repair Corrupted Database

Applies to: ☑Basic ☑Home ☑Standard ☑Professional ☑Broadcast

Used for: This utility marks data as missing in the weather station's WV32 database using a specified criteria. Use this when your database contains invalid data for any reason. View the raw data in the Edit—Edit Weather Database window.

If any doubt exists regarding the proper operation of this tool, call Tech Support!

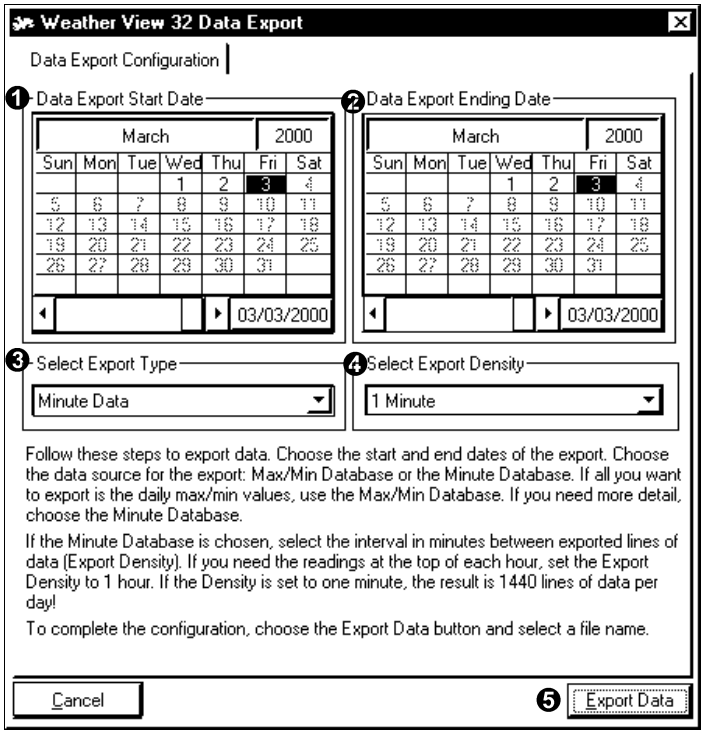


Configuration Steps	
Back up your data using the instructions on page 6 before proceeding.	
❶ Set Dates to Repair	Either enter Repair Start and End Date or check the Repair Entire Database box.
❷ Select Databases	Click on the database(s) to correct.
❸ Set Invalid Data Thresholds	Review each sensor installed on the weather station. Using the spin buttons increase or decrease any maximum or minimum readings to correct on any applicable sensor. (These are *greater than* and *less than*). When WV32 scans the database(s) to clear records, any data which is not within the user set thresholds is marked as missing and appears as dashes.
❹ Repair Database	Click on Repair Database when all parameters have been set.
❺ Close	Click on the Close button to exit.

Export Weather Data

Applies to: ❑ Basic ❑Home ☑Standard ☑Professional ☑Broadcast

Used for: Export portions of the Weather View 32 database to a comma delimited text file for user selected time periods. The exported file contains information on the identification of data's position in the file. View the exported file with a text editor.



Max/min data displays as 2 lines of data per day. For each installed sensor there is one line for maximum data and one line for minimum data .

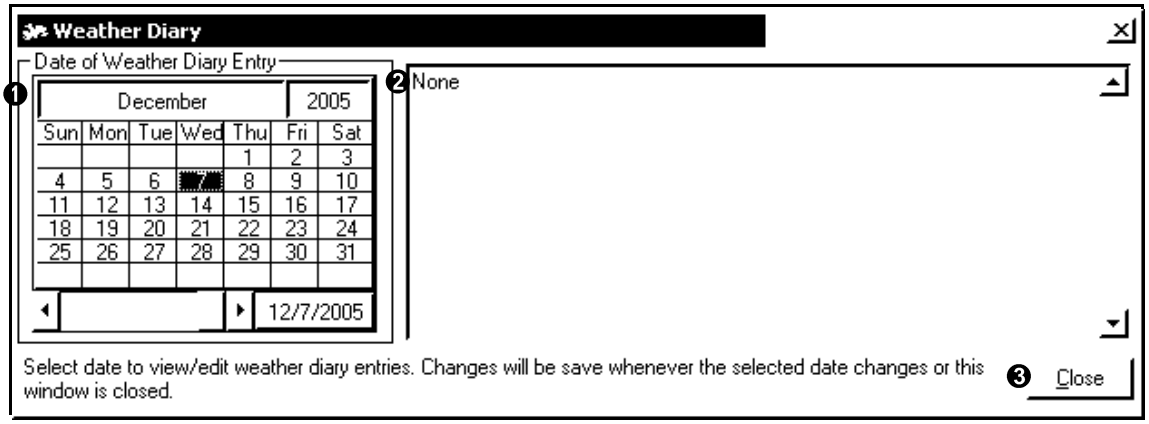
The format of the file varies with the type of export selected; however, the first one or two lines of the exported text file will describe the format of the selected export.

Configuration Steps	
❶ Data Export Start Date	Select the desired Data Export Start Date on this calendar control. If you set both calendar controls to the same date, only the selected date exports.
❷ Data Export End Date	Select the desired Data Export End Date on this calendar control. If you set both calendar controls to the same date, only the selected date exports.
❸ Export Type	Select database. Weather View 32 contains two separate databases. The Minute Database contains one minute resolution data for the duration of the Weather View database. The Max/Min Database contains only daily max/min's for all of the sensors installed on the weather station. Select either type of data as the export type.
❹ Export Density	If the export type is set to minute data, choose the Export Density. The Export Density determines how many records per day export. For instance, selecting one minute Export Density results in 1440 records for each day. Selecting one hour Export Density results in 24 records for each day.
❺ Export Data	Once satisfied with the selections, click on the Export Data button to begin the process. Enter a file name for the exported data when prompted.

Weather Diary

Applies to: ☑Basic ☑Home ☑Standard ☑Professional ☑Broadcast

Used for: Add notes to your weather station's database to a specific date. This information shows in the Notes portion at the bottom of the Daily and Monthly Summary reports. An example is "Hail in the morning."

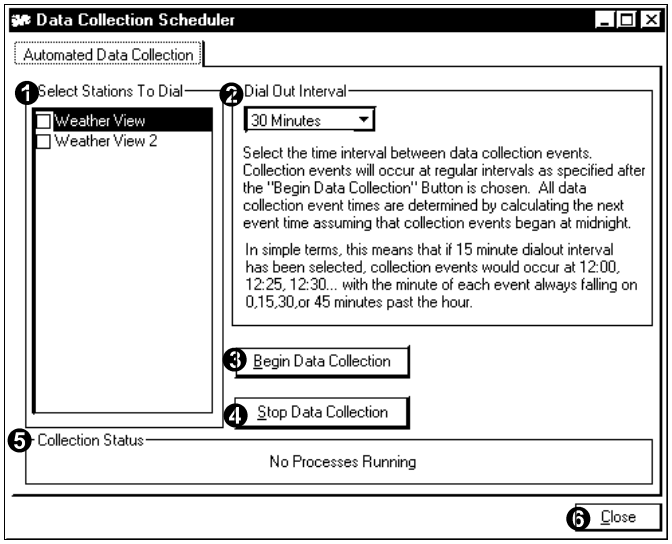


Configuration Steps	
❶ Date of Weather Diary Entry	Click on the date of the entry.
❷	Enter comment in the box. Changes are saved by closing the window or selecting a different date.
❸ Close	Click on the Close button to exit.

Automated Data Collection

Applies to: ❑ Basic ❑Home ❑Standard ☑Professional ❑Broadcast

Used for: Schedule connections to one or more dial-out weather stations at regular intervals. This feature in only available in the Professional version and a multi-station Professional version.



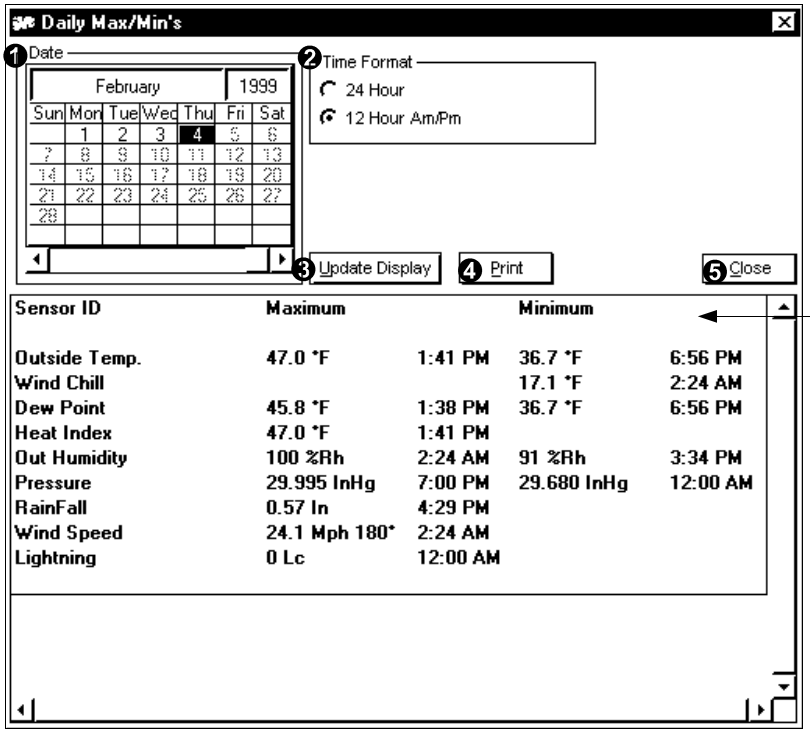
Configuration Steps	
Before configuring this feature make sure each remote station is available and has connected with	
❶ Select Stations to Dial	This list box contains all currently configured stations. Check mark the station(s) to include in the data collection events.
❷ Dial Out Interval	Select how often collection events occur by using the drop-down list box.
❸ Begin Data Collection	Once satisfied with the configurations, click on the button and Weather View will collect data at the specified interval.
❹ Stop Data Collection	Click to bring Weather View out of Automated Data Collection mode.
❺ Collection Status	The display gives information on the current process in operation. This could be information that Weather View is waiting for the next collection run or the status of a connection in progress.
❻ Close	Click on Close to exit this screen.

This page is intentionally left blank.

Daily Max/Min Report

Applies to: ❑ Basic ☑Home ☑Standard ☑Professional ☑Broadcast

Used for: Display and/or print reports detailing the daily extremes with time of occurrence for any date in the Weather View database.



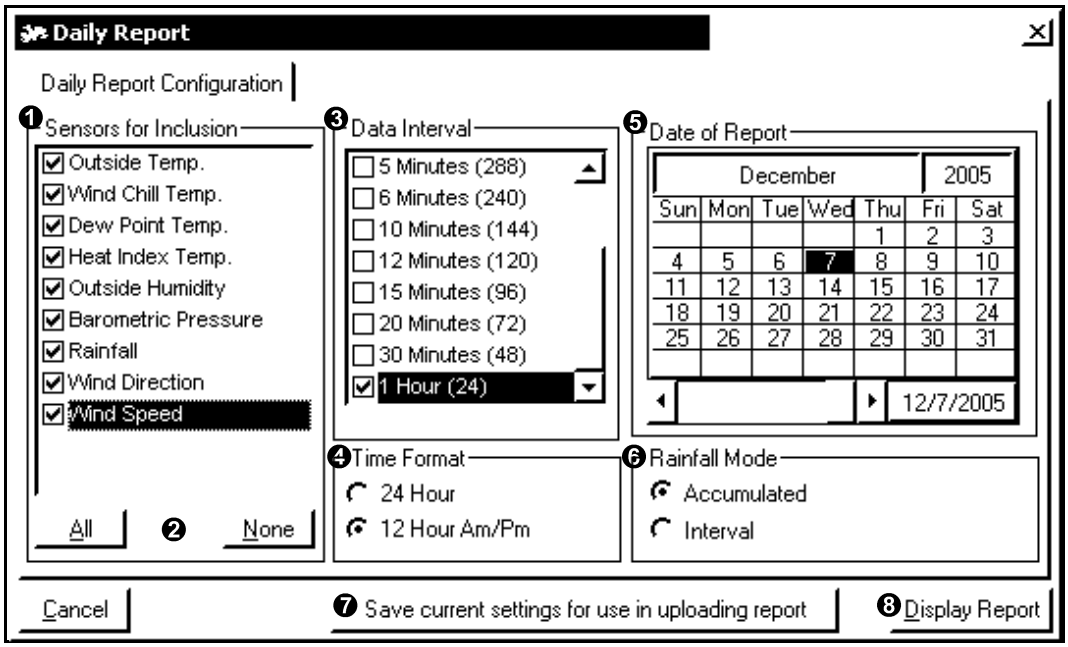
Immediately upon selecting this report, today's max/min data along with time of occurrence display in the report box. To view a different date, select the new date on the calendar and choose the "Update Display" button. Times show in either 12 or 24 hour format.

Configuration Steps	
❶ Date	Select the date to base the report on. Only dates in the Weather View 32 database can be selected. Use the scroll bar on the calendar to change the month.
❷ 12 or 24 hour time format	Choose whether to use a 12 or 24 hour format to display times on the report.
❸ Update Display	After changing the date, click on the Update Display button to show the report with the new date's information.
❹ Print	Select the Print button to send the report to the printer.
❺ Close	Select the Close button to completely exit the Max/Min report portion of Weather View 32.

Daily Summary Report

Applies to: ❑ Basic ☑Home ☑Standard ☑Professional ☑Broadcast

Used for: Display and/or print reports detailing the daily weather conditions including the max/mins. This report can be sent to a web site. See Setup, Automated Web Data Update Properties, Reports/ Text.



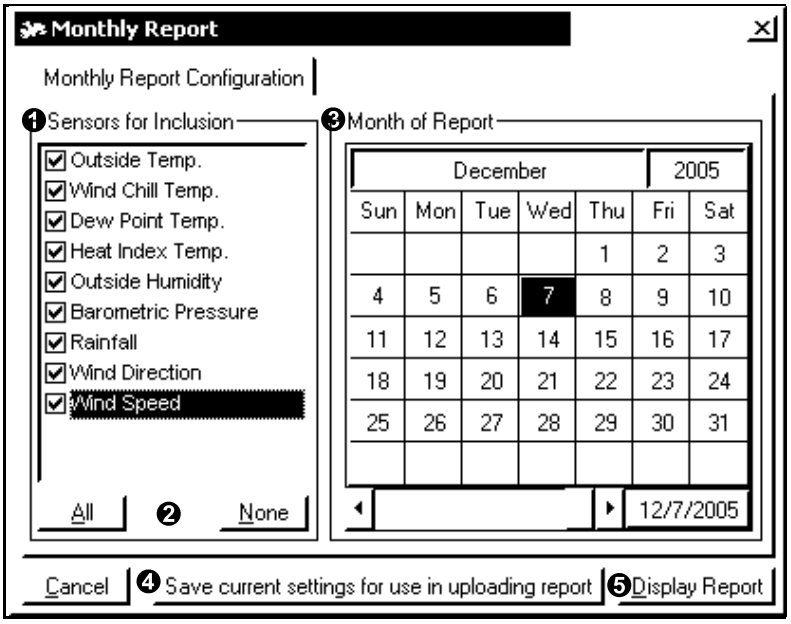
❶	Sensors for Inclusion	Checkmark the sensors to include on the report.
❷	All None	As a convenience, select All or None of the available sensors. (None clears all entries.)
❸	Data Interval	Click on the Data Interval for the report. For example, selecting 10 minutes results in 144 lines of data displaying, one line for each 10 minute interval during the day.
❹	Time Format	Choose whether to use a 12 or 24 hour time format.
❺	Date of Report	Select the date in the Weather View 32 database to base the report on. Use the scroll bar on the calendar to change the month.
❻	Rainfall Mode	Select whether to display rainfall as cumulative or interval. Interval shows the amount of rain collected during the selected data interval . Cumulative shows today's cumulative total.
❼		Click on this bar to save the current setting for upload to a web site. See page #.
❽	Display Report	When satisfied with the selections, click on the Display Report button to show the report.

See Also: Go to page 53 to see report example.

Monthly Summary Report

Applies to: ❑ Basic ☑Home ☑Standard ☑Professional ☑Broadcast

Used for: Display and/or print report showing max/min data for each day of an entire month. Monthly rainfall and monthly max/min's for each sensor display. Degree days heating and cooling based on a user-defined base also appear. This report can be sent to a web site. See Setup, Automated Web Data Update Properties, Reports/ Text.



Configuration Steps	
❶ Sensors for Inclusion	Checkmark the sensors to include on the report.
❷ All None	As a convenience, select All or None of the available sensors. (None clears entry.)
❸ Month of Report	Select the date to base the report on. Only dates in the Weather View 32 database can be selected. Select any date in the desired month Use the scroll bar on the calendar to change the month. Be sure to click on the day selected in the new month before continuing. The selected date does not change when moving through the available months until a new date is selected.
❹	Click on this bar to save the current setting for upload to a web site. See page #.
❺ Display Report	Click on the Display Report button to show the report.

See Also: Go to page 53 to see report example.

Daily Summary Report

Select Close to completely exit the Daily Report portion of Weather View.

Select ReConfigure Report to open the configuration screen.

Select Print to send the report to the printer.

The max/min's for the selected day display as the last two lines of the report.

Aug 7, 1998 Daily Summary Report Station= Weather View

Close Re-Configure Report Print Report

Time	O Temp °F	Chill °F	Dew °F	Heat °F	O Hum %Rh	Press InHg	Rain In	Dir °	Speed Mph
12:00 AM	55.1	55.1	48.7	55.1	79	29.822	0.00	225	0
1:00 AM	54.4	54.4	48.4	54.4	80	29.827	0.00	218	1
2:00 AM	52.8	52.8	47.8	52.8	83	29.825	0.00	225	0
3:00 AM	51.9	51.9	47.5	51.9	85	29.827	0.00	225	0
4:00 AM	50.9	50.9	46.9	50.9	86	29.835	0.00	225	1
5:00 AM	49.9	49.9	46.5	49.9	88	29.841	0.00	219	1
6:00 AM	48.8	48.8	45.7	48.8	89	29.855	0.00	225	0
7:00 AM	49.0	49.0	46.2	49.0	90	29.863	0.00	225	0
8:00 AM	58.3	58.3	49.7	58.3	73	29.860	0.00	225	0
9:00 AM	62.3	62.3	47.8	62.3	59	29.856	0.00	309	0
10:00 AM	65.6	65.6	46.9	62.0	51	29.834	0.00	305	1
11:00 AM	67.8	67.8	46.8	64.0	47	29.820	0.00	113	1
12:00 PM	70.6	70.6	46.3	67.0	42	29.800	0.00	089	4
1:00 PM	74.7	74.7	46.6	71.0	37	29.802	0.00	097	4
2:00 PM	75.7	75.7	44.5	72.0	33	29.798	0.00	031	4
3:00 PM	78.6	78.6	45.3	76.0	31	29.787	0.00	343	1
4:00 PM	78.7	78.7	46.3	76.0	32	29.775	0.00	051	0
5:00 PM	79.4	79.4	46.9	78.0	32	29.760	0.00	255	2
6:00 PM	76.2	76.2	45.7	74.0	34	29.732	0.00	270	0
7:00 PM	73.9	73.9	46.6	70.0	38	29.719	0.00	346	3
8:00 PM	69.7	68.6	50.2	67.0	50	29.723	0.00	224	5
9:00 PM	64.3	64.3	50.5	64.3	61	29.734	0.00	248	0
10:00 PM	62.7	62.7	47.7	62.7	58	29.745	0.00	235	0
11:00 PM	61.6	61.6	47.5	61.6	60	29.746	0.00	222	0
Maximum	79.4	79.4	50.7	78.0	90	29.867	0.00	359	6
Minimum	48.1	48.1	43.9	48.1	31	29.719	0.00	007	0

The caption of the screen displays the date of the report and the name of the currently active weather station.

Depending on the data interval of the report and the number of sensors selected, use the scroll bars to view the entire report.

If notes have been added in the Weather Diary for this date, the notes display at the bottom of the report after the max/min's.

Monthly Summary Report

Select Close to exit the Monthly Report .

Select ReConfigure Report to open the configuration screen.

Select Print to send the report to the printer.

Degree days heating and cooling are the last two lines of the report.

August 1998 Monthly Summary Report Station= Weather View

Close RE-Configure Report Print Report

Date	O Temp Max	O Temp Min	Chill Min	Dew Max	Dew Min	Heat Max	O Hum Max	O Hum Min
1	76.6	56.3	56.0	54.7	49.5	75.0	88	41
2	90.8	51.9	51.9	56.9	43.4	87.0	92	21
3	93.3	54.7	54.7	58.2	51.5	92.0	91	25
4	95.2	55.1	55.1	54.5	43.1	91.0	82	17
5	88.2	55.5	55.5	53.1	44.5	85.0	81	24
6	80.0	54.4	54.4	53.0	46.9	80.0	88	34
7	79.4	48.1	48.1	50.7	43.9	78.0	90	31
8	88.0	49.0	49.0	51.2	34.1	83.0	88	16
9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
10	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
11	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
12	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
13	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
14	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
15	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
16	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
17	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
18	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
19	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
20	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

The caption of the screen displays the date of the report and the name of the currently active weather station.

Depending on the number of sensors selected, use the scroll bars to view the entire report.

If notes have been added in the Weather Diary for this month, the notes display at the bottom of the report after the Degree days..

Climate Database Site Summary

Applies to: ❑ Basic ❑ Home ☑Standard ☑Professional ☑Broadcast

Used for: View and print monthly and annual tables of any climatological data station in the database. All database parameters appear.

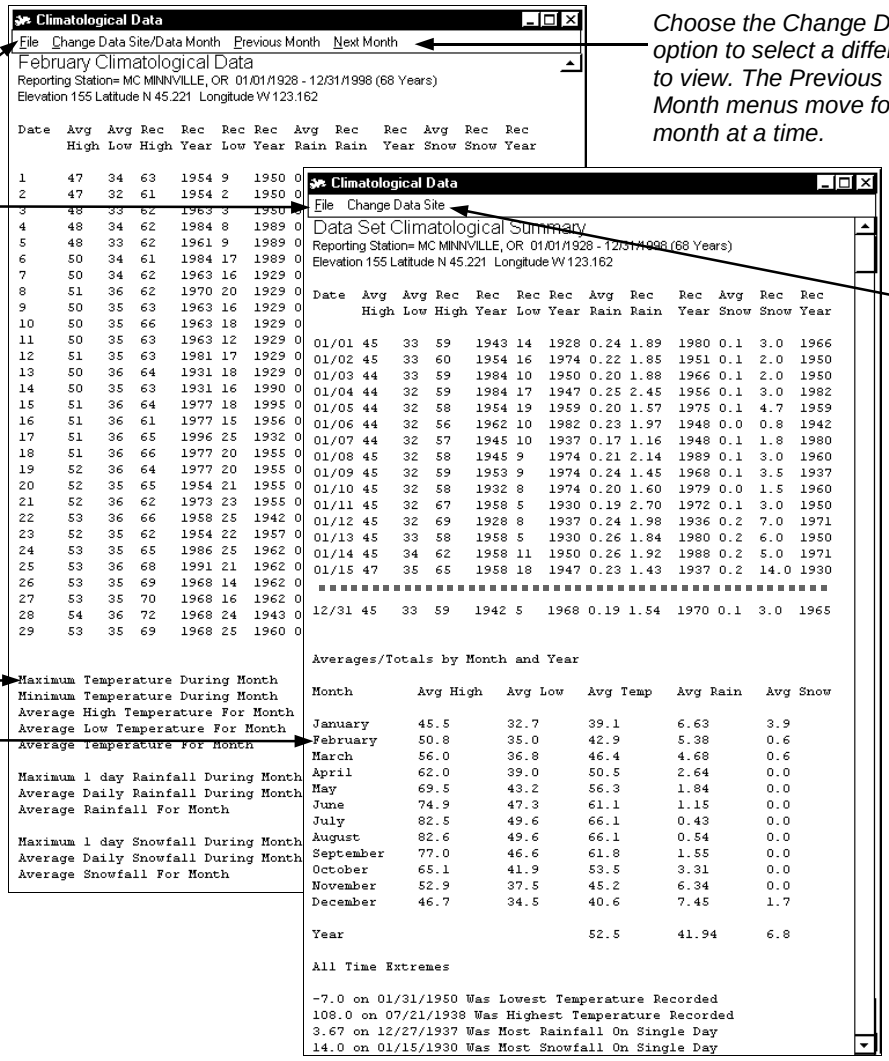
No guarantees on the accuracy of the data is made. The data currently in the database was obtained from the National Climatic Data Center and includes all of the US. WV32 Standard and Professional users may create sites using the Climate Database Editor feature (Client versions can not create sites).

A small percentage of stations only report precipitation.

The stations contained in Weather View are based on the following station criteria:

- Must have at least a 70% coverage during those 10 or more years.
- Must be active into the 1990's.
- The data contained in Weather View 32 v6.0 is valid through 12/31/1998.

New data will be available with each full version update (for example: v5.0 to 6.0) For instance, as of February 2000, the NCDC was processing the data for 1999 for September 2000 release.



Choose the Change Data Site/Data Month option to select a different site and/or month to view. The Previous Month and Next Month menus move forward and back one month at a time.

Print by selecting the File Menu, then the Print Report option.

Choose the Change Data Site to select a different site.

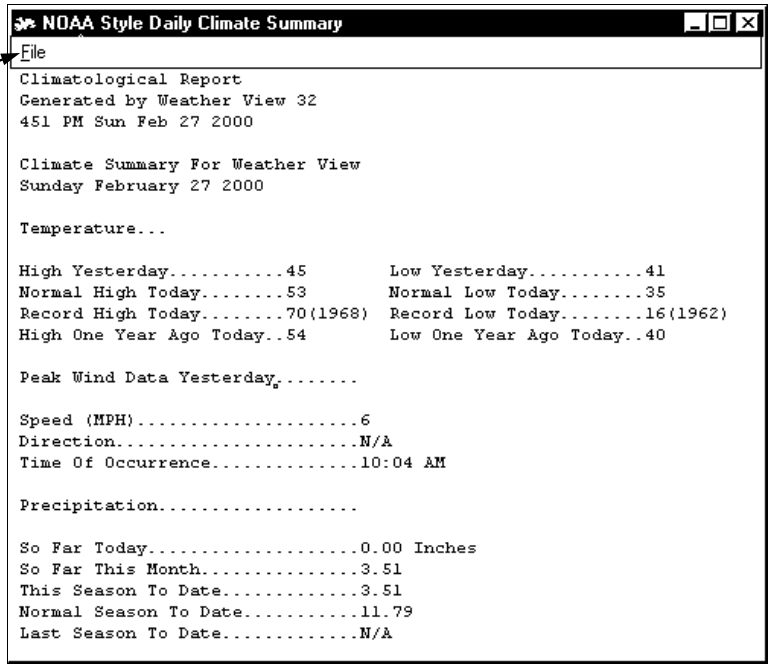
A summary of the averages and extremes display below the daily data.

NOAA Style Daily Climatological Summary

Applies to: ❑ Basic ☑Home ☑Standard ☑Professional ☑Broadcast

Used for: View and print daily report of the connected weather station's data. This report can be sent to a web site. See Setup, Automated Web Data Update Properties, Reports/ Text.

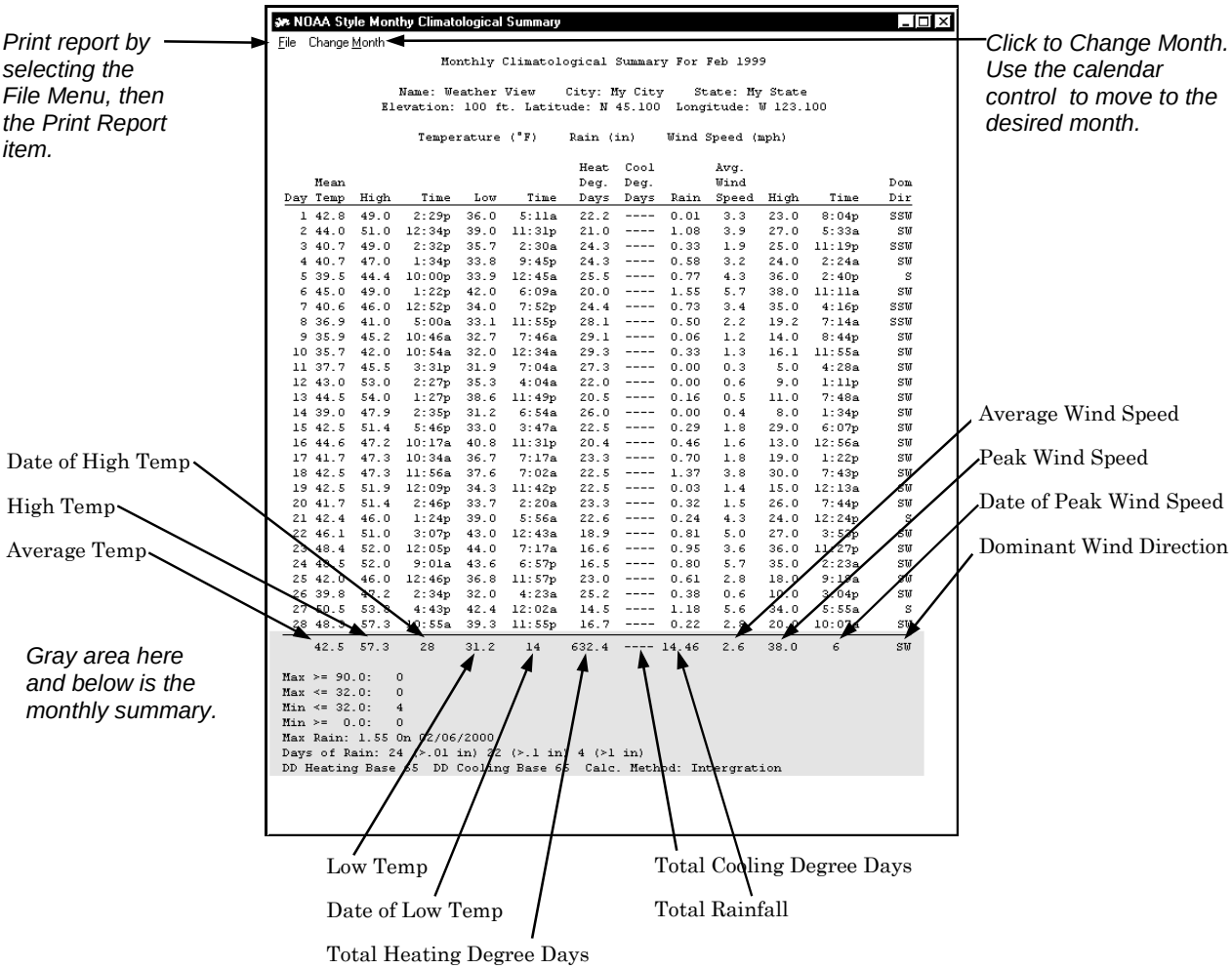
Print report by selecting the File Menu, then the Print Report item.



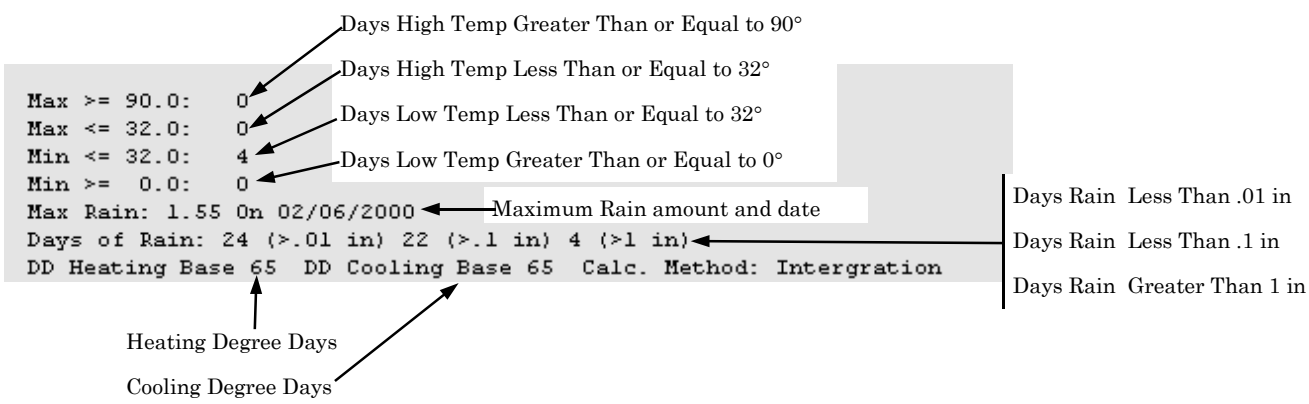
NOAA Style Monthly Climatological Summary

Applies to: ❑ Basic ☑Home ☑Standard ☑Professional ☑Broadcast

Used for: View and print monthly reports of the connected weather station's data. This report can be sent to a web site. See Setup, Automated Web Data Update Properties, Reports/ Text.



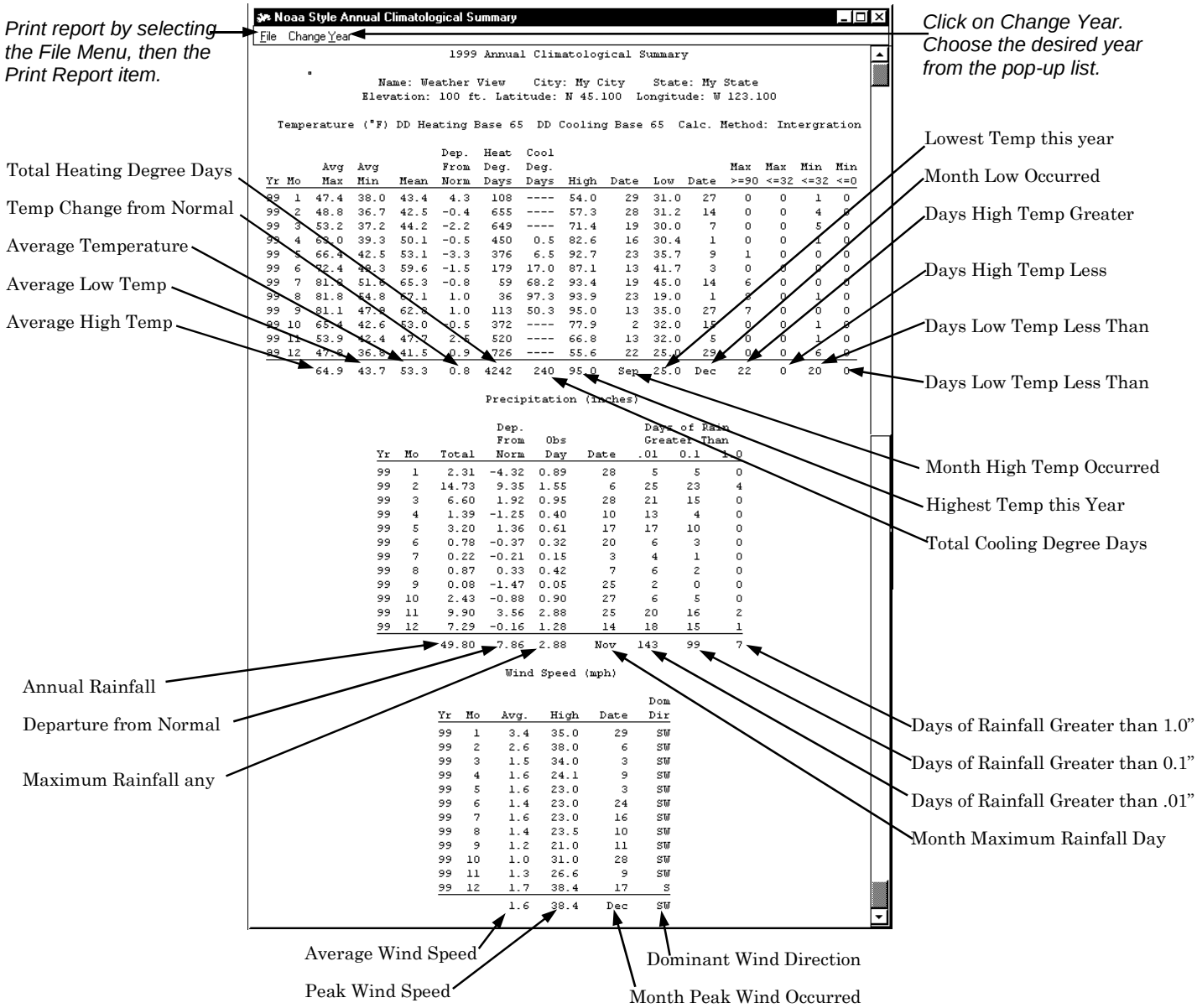
Day	Mean Temp	High	Time	Low	Time	Heat Deg. Days	Cool Deg. Days	Rain	Avg. Wind Speed	High	Time	Dom Dir
1	42.8	49.0	2:29p	36.0	5:11a	22.2	----	0.01	3.3	23.0	8:04p	SSW
2	44.0	51.0	12:34p	39.0	11:31p	21.0	----	1.08	3.9	27.0	5:33a	SW
3	40.7	49.0	2:32p	35.7	2:30a	24.3	----	0.33	1.9	25.0	11:19p	SSW
4	40.7	47.0	1:34p	33.8	9:45p	24.3	----	0.58	3.2	24.0	2:24a	SW
5	39.5	44.4	10:00p	33.9	12:45a	25.5	----	0.77	4.3	36.0	2:40p	S
6	45.0	49.0	1:22p	42.0	6:09a	20.0	----	1.55	5.7	38.0	11:11a	SW
7	40.6	46.0	12:52p	34.0	7:52p	24.4	----	0.73	3.4	35.0	4:16p	SSW
8	36.9	41.0	5:00a	33.1	11:55p	28.1	----	0.50	2.2	19.2	7:14a	SSW
9	35.9	45.2	10:46a	32.7	7:46a	29.1	----	0.06	1.2	14.0	8:44p	SW
10	35.7	42.0	10:54a	32.0	12:34a	29.3	----	0.33	1.3	16.1	11:55a	SW
11	37.7	45.5	3:31p	31.9	7:04a	27.3	----	0.00	0.3	5.0	4:28a	SW
12	43.0	53.0	2:27p	35.3	4:04a	22.0	----	0.00	0.6	9.0	1:11p	SW
13	44.5	54.0	1:27p	38.6	11:49p	20.5	----	0.16	0.5	11.0	7:48a	SW
14	39.0	47.9	2:35p	31.2	6:54a	26.0	----	0.00	0.4	8.0	1:34p	SW
15	42.5	51.4	5:46p	33.0	3:47a	22.5	----	0.29	1.8	29.0	6:07p	SW
16	44.6	47.2	10:17a	40.8	11:31p	20.4	----	0.46	1.6	13.0	12:56a	SW
17	41.7	47.3	10:34a	36.7	7:17a	23.3	----	0.70	1.8	19.0	1:22p	SW
18	42.5	47.3	11:56a	37.6	7:02a	22.5	----	1.37	3.8	30.0	7:43p	SW
19	42.5	51.9	12:09p	34.3	11:42p	22.5	----	0.03	1.4	15.0	12:13a	SW
20	41.7	51.4	2:46p	33.7	2:20a	23.3	----	0.32	1.5	26.0	7:44p	SW
21	42.4	46.0	1:24p	39.0	5:56a	22.6	----	0.24	4.3	24.0	12:24p	S
22	46.1	51.0	3:07p	43.0	12:43a	18.9	----	0.81	5.0	27.0	3:55p	SW
23	48.4	52.0	12:05p	44.0	7:17a	16.6	----	0.95	3.6	36.0	11:27p	SW
24	48.5	52.0	9:01a	43.6	6:57p	16.5	----	0.80	5.7	35.0	2:23a	SW
25	42.0	46.0	12:46p	36.8	11:57p	23.0	----	0.61	2.8	18.0	9:19a	SW
26	39.8	47.2	2:34p	32.0	4:23a	25.2	----	0.38	0.6	10.0	3:04p	SW
27	50.5	53.8	4:43p	42.4	12:02a	14.5	----	1.18	5.6	34.0	5:55a	S
28	48.3	57.3	10:55a	39.3	11:55p	16.7	----	0.22	2.8	20.0	10:07a	SW
	42.5	57.3	28	31.2	14	632.4	----	14.46	2.6	38.0	6	SW



NOAA Style Yearly Climatological Summary

Applies to: ❑ Basic ☑Home ☑Standard ☑Professional ☑Broadcast

Used for: View and print yearly reports of the connected weather station's data. *This report takes several minutes to generate.*



1999 Annual Climatological Summary

Name: Weather View City: My City State: My State
Elevation: 100 ft. Latitude: N 45.100 Longitude: W 123.100

Temperature (°F) DD Heating Base 65 DD Cooling Base 65 Calc. Method: Intergration

Yr	Mo	Avg Max	Avg Min	Mean	Dep. From Norm	Heat Deg. Days	Cool Deg. Days	High	Date	Low	Date	Max >=90	Max <=32	Min <=32	Min <=0
99	1	47.4	38.0	43.4	4.3	108	----	54.0	29	31.0	27	0	0	1	0
99	2	48.8	36.7	42.5	-0.4	655	----	57.3	28	31.2	14	0	0	4	0
99	3	53.2	37.2	44.2	-2.2	649	----	71.4	19	30.0	7	0	0	5	0
99	4	63.0	39.3	50.1	-0.5	450	0.5	82.6	16	30.4	1	0	0	1	0
99	5	66.4	42.5	53.1	-3.3	376	6.5	92.7	23	35.7	9	1	0	0	0
99	6	72.4	48.3	59.6	-1.5	179	17.0	87.1	13	41.7	3	0	0	0	0
99	7	81.8	51.8	65.3	-0.8	59	68.2	93.4	19	45.0	14	6	0	0	0
99	8	81.8	54.8	67.1	1.0	36	97.3	93.9	23	19.0	1	8	0	1	0
99	9	81.1	47.8	62.8	1.0	113	50.3	95.0	13	35.0	27	7	0	0	0
99	10	65.4	42.6	53.0	-0.5	372	----	77.9	2	32.0	15	0	0	1	0
99	11	53.9	42.4	47.7	2.5	520	----	66.8	13	32.0	5	0	0	1	0
99	12	47.8	36.8	41.5	0.9	726	----	55.6	22	25.0	29	0	0	6	0
		64.9	43.7	53.3	0.8	4242	240	95.0	Sep	25.0	Dec	22	0	20	0

Precipitation (Inches)

Yr	Mo	Total	Dep. From Norm	Obs Day	Date	Days of Rain Greater Than .01	0.1	1.0
99	1	2.31	-4.32	0.89	28	5	5	0
99	2	14.73	9.35	1.55	6	25	23	4
99	3	6.60	1.92	0.95	28	21	15	0
99	4	1.39	-1.25	0.40	10	13	4	0
99	5	3.20	1.36	0.61	17	17	10	0
99	6	0.78	-0.37	0.32	20	6	3	0
99	7	0.22	-0.21	0.15	3	4	1	0
99	8	0.87	0.33	0.42	7	6	2	0
99	9	0.08	-1.47	0.05	25	2	0	0
99	10	2.43	-0.88	0.90	27	6	5	0
99	11	9.90	3.56	2.88	25	20	16	2
99	12	7.29	-0.16	1.28	14	18	15	1
		49.80	7.86	2.88	Nov	143	99	7

Wind Speed (mph)

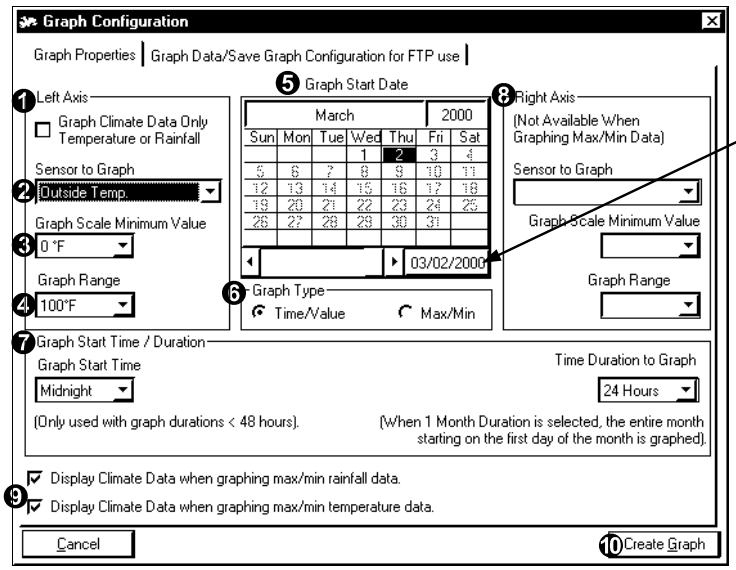
Yr	Mo	Avg.	High	Date	Dom Dir
99	1	3.4	35.0	29	SW
99	2	2.6	38.0	6	SW
99	3	1.5	34.0	3	SW
99	4	1.6	24.1	9	SW
99	5	1.6	23.0	3	SW
99	6	1.4	23.0	24	SW
99	7	1.6	23.0	16	SW
99	8	1.4	23.5	10	SW
99	9	1.2	21.0	11	SW
99	10	1.0	31.0	28	SW
99	11	1.3	26.6	9	SW
99	12	1.7	38.4	17	S
		1.6	38.4	Dec	SW

Graph Properties Tab

Applies to: ❑ Basic ☑Home ☑Standard ☑Professional ☑Broadcast

Used for: Configure Climate database graphs, Max/Min database graphs, and Minute database graphs.

See page 51 - 52 for examples of Weather View 32 graphs.



Displays the currently selected date.

Change the selected date by clicking on a different date in the month or using the arrows to change month.

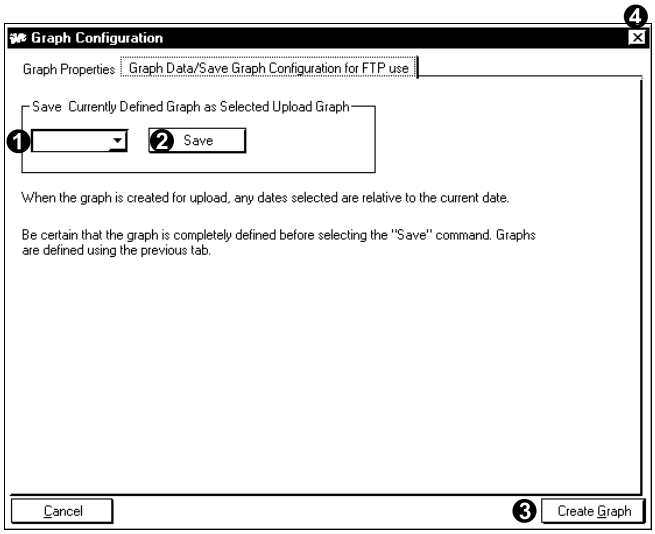
Be sure to click on the date to make it active.

Configuration Steps	
❶ Left Axis Graph Climate Data Only Temperature or Rainfall	Check mark this box to graph only historical data for the selected climatological data site. Selecting this only allows use of the right axis of the graph and only temperature or rainfall data. If temperature is selected, record high for date, record low, average low and average high graph. If rainfall is selected, average rainfall and record rainfall for each day of the month graph.
❷ Sensor to Graph	Select the Sensor to Graph on the left axis of the graph.
❸ Graph Scale Minimum Value	Select the lowest sensor reading to appear on the graph. This is used in conjunction with the Graph Range drop-down list box to determine the Maximum and Minimum values of the Y (vertical) axis of the graph.
❹ Graph Range	Select the Graph Range.
❺ Graph Start Date	Choose the date to begin graphing. The duration is used in conjunction with the start date to determine the range of dates to graph. Max/Min graphs are fixed at one month duration. If this is a Max/Min graph, the data graphs for the entire month.
❻ Graph Type	Select whether this graph will display Minute Database information (Time/ Value) or Max/Min Database values. If Max/Min is selected, only the left axis of the graph is accessible and the graph duration is fixed at one month.
❼ Graph Start Time/ Duration	▪ Select the start hour of the graph if graphing Minute databate information with a duration less than or equal to 48 hours. ▪ Select the Time Duration to graph.
❽ Right Axis	The right axis operates the same way as the right axis, except the left axis is not enabled when graphing Maximum/Minimum data.
❾ Display Climate Data when graphing	If the relevant item is check marked, whenever a max/min graph of either temperature or rainfall displays, the climatological data for the selected climate site also graphs. The record high temperature appears as a light red line, average high and low are teal, and record low blue. Rainfall graphs show the record rainfall for each day in light red and the average daily rainfall as teal.
❿ Create Graph	Choose Create Graph when all settings are completed.
	To save this graph configuration for upload to the internet, configure the graph to your requirements. Then select the Graph Data/Save Configuration for FTP use Tab.

Graph Data/Save Graph Configuration for FTP Use Tab

Applies to: ❑ Basic ❑ Home ☑Standard ☑Professional ☑Broadcast

Used for: Use this tab to save the currently defined graph for upload to the internet. Weather View allows the definition of up to 5 graph configurations for use with the FTP/local save features of Weather View. This is a simple process, configure a graph to show the desired parameters, then select the Save Graph Configuration for FTP Use tab.



Tip: Any date set on the Graph Properties tab is relative to the current date when the graph is created for upload or local save. For example, if the currently configured graph is set to display today's dates outside temperature data starting at midnight, then beginning tomorrow the data will be that day's data.

Configuration Steps	
❶ Save Currently Defined Graph as Selected Upload Graph	Use the drop-down list box to select which graph configuration the current configuration to Save As. Then click on the save button to store the current configuration as the selected graph configuration.
❷ Save	Click on the Save button to store the current configuration as Graph 1, 2,
❸ Create Graph	Click on Create Graph to view the graph with the current configuration.
❹ ✕	Click on the Exit icon to close the Graph Configuration tabs.

Graph Menu

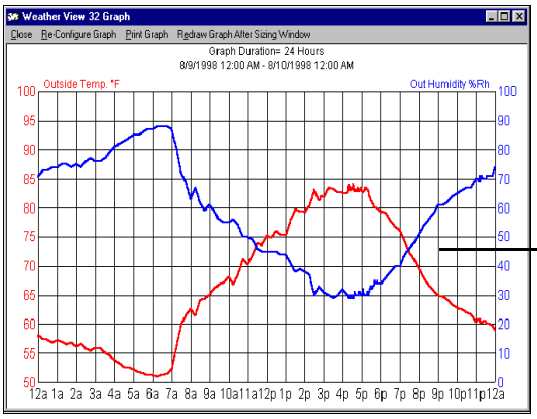
❶Close❷Re-Configure Graph❸Print Graph❹Redraw Graph After Sizing Window

❶ Close	Completely exits graphing.
❷ Reconfigure Graph	Return to the Graph Configuration tab.
❸ Print Graph	Send the currently displayed graph to the printer.
❹ Redraw Graph After Sizing Window	After resizing the graph window, click on Redraw Graph to fit the new window size.

Sample Minute Database (Time/Value) Graph

Applies to: ❑ Basic ☑Home ☑Standard ☑Professional ☑Broadcast

This is a time/value graph configured to show outside temperature and outside humidity. Note the captions above each axis of the graph, these captions represent the IDs of the sensors displayed on the respective axis. See page 42-43 for configuration steps.



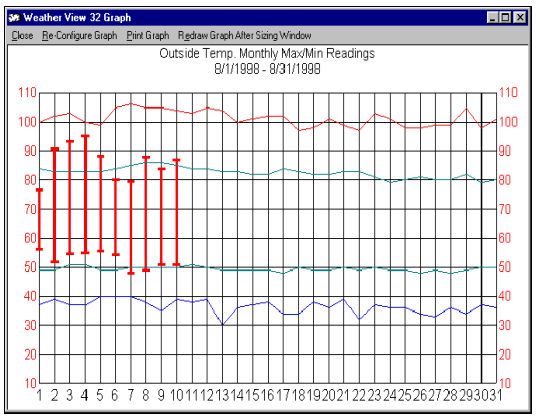
Right mouse click on the graph area of any graph. A menu appears allowing the full screen viewing of the graph as well as the option to return to the Graph Configuration screen.

Sample Max/Min Database Graph

Applies to: ❑ Basic ☑Home ☑Standard ☑Professional ☑Broadcast

The daily maximum and minimum values for an entire month (in this case a partial month due to missing data) for outside temperature displays using the vertical bars to represent the daily range of temperatures.

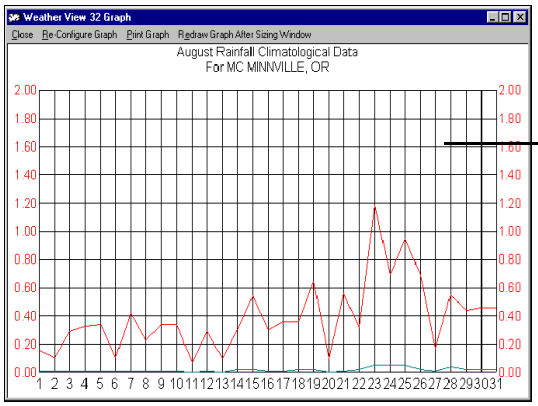
The other four lines represent, top to bottom, record high temperature, average high temperature, average low temperature, and record low temperature for each day of the month. The Climate data displayed is the site selected in Weather View properties. See pages 36 for configuration steps.



Sample Rainfall Climate Data Graph

Applies to: ❑ Basic ☑Home ☑Standard ☑Professional ☑Broadcast

The daily average/record rainfall for the month of August is displayed by this graph. *You can see it does not rain very much in Oregon during the summer months; however, you don't want to be here the other nine months of the year!* See pages 36 for configuration steps.



Right mouse click on the graph area of any graph. A menu appears allowing the full screen viewing of the graph as well as the option to return to the Graph Configuration screen.

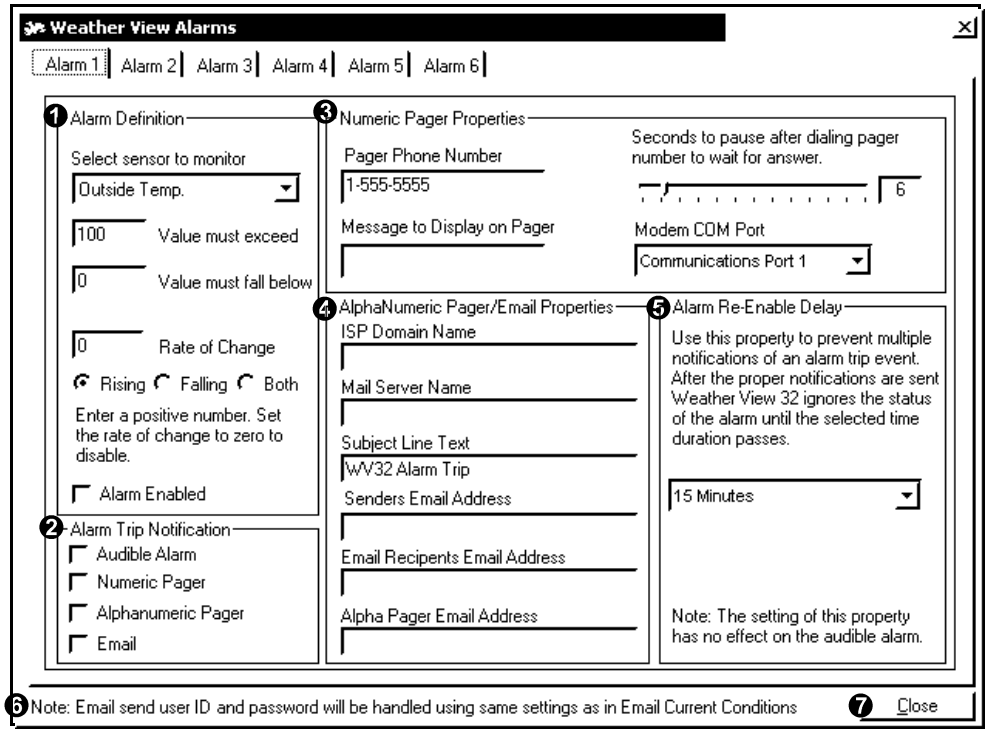
Alarm

Applies to: ❑ Basic ☑Home ☑Standard ☑Professional ☑Broadcast

Used for: Up to 6 unique alarm configurations are supported by Weather View 32. The alarms can use any combination of the following notification methods: audible alarm, numeric pager, alphanumeric pager, and email with completely unique alarm criteria. The Home and Standard editions only supports audible alarm.

Alarms trip when a value exceeds or falls below a threshold value. Rate of change alarms are available for Barometric Pressure, Outside Temperature and Rainfall.

Use the current units of measure for the selected sensor where any values are entered.



Configuration Steps	
❶ Alarm Definition	▪ Select the sensor to assign to an Alarm (1- 6). ▪ Enter the value that the current reading for the assigned sensor *must exceed* to trip the alarm. ▪ Enter the value that the current reading for the assigned sensor *must fall below* to trip the alarm. ▪ Enter the value of the *rate of change* that the assigned sensor value must be changing faster than to trip the alarm. Use the current units of measure for the selected sensor. To disable the rate of change alarm set the value to zero. The rate of change is based on hourly rate of change. ▪ The three option buttons below the rate of change text box allow setting whether alarm trips on a *rising rate, a falling rate, or both*. ▪ If the Alarm Enable check box is check marked, alarm events process for this alarm based on all the settings on this tab. To disable an alarm click on the Alarm Enable check box and toggle the check mark off.
❷ Alarm Trip Notification	The four check boxes in the alarm notification frame, determine what action is taken when an alarm trip occurs. Mark the actions required.
Alarm configuration instructions continue on next page.	

Alarm *(continued from opposite page)*

Tip: Anytime the Alarms screen is in use, all alarms temporarily disable. Opening this window also resets the Alarm Reenable Delay.

Configuration Steps	
Alarm configuration instructions continued from opposite page.	
❸ Numeric Pager Properties	▪ Enter the phone number to the numeric pager exactly as you would dial the number on the phone. ▪ On the next line enter the numeric message to display on the pager. ▪ To configure the numeric pager feature, determine the number of seconds that elapses from the moment you complete dialing the phone number to your pager service and the service is ready to receive numeric input. Once this value is determined, enter the value in seconds by using the slider control. ▪ Weather View 32 needs to know what COM port the modem is connected to on the computer system. Select the modem's COM port using the drop-down list box.
❹ Alphanumeric Pager/ Email Properties	▪ The alphanumeric pager/email section requires some knowledge of Internet email. The names used to identify each field are self-explanatory. Enter in the correct values for each field and insure that the computer has a reliable Internet connection. If using a dial-up connection, see the Setup - Internet Connection Properties portion of this manual to configure Weather View 32 to work reliably with a dial-up connection. ▪ The text of the messages sent when an alarm trip occurs identifies the sensor, the sensors current reading, the alarm trip value, and the time of occurrence.
❺ Alarm Reenable Delay	The Alarm Reenable Delay feature prevents recurrent notification of alarm conditions when using non-audible alarms. The value selected represents a delay between alarm event notifications for a particular alarm trip. This does not affect the audible alarm which remains on until user intervention occurs OR the reading of the sensor no longer trips the alarm.
❻	The email sender's User ID and password are the same as those in Setup, Email/ Pager Current Conditions Notification.
❼ Close	Click on the Close button or configure the next Alarm tab.

The Real-Time Monitoring Screen

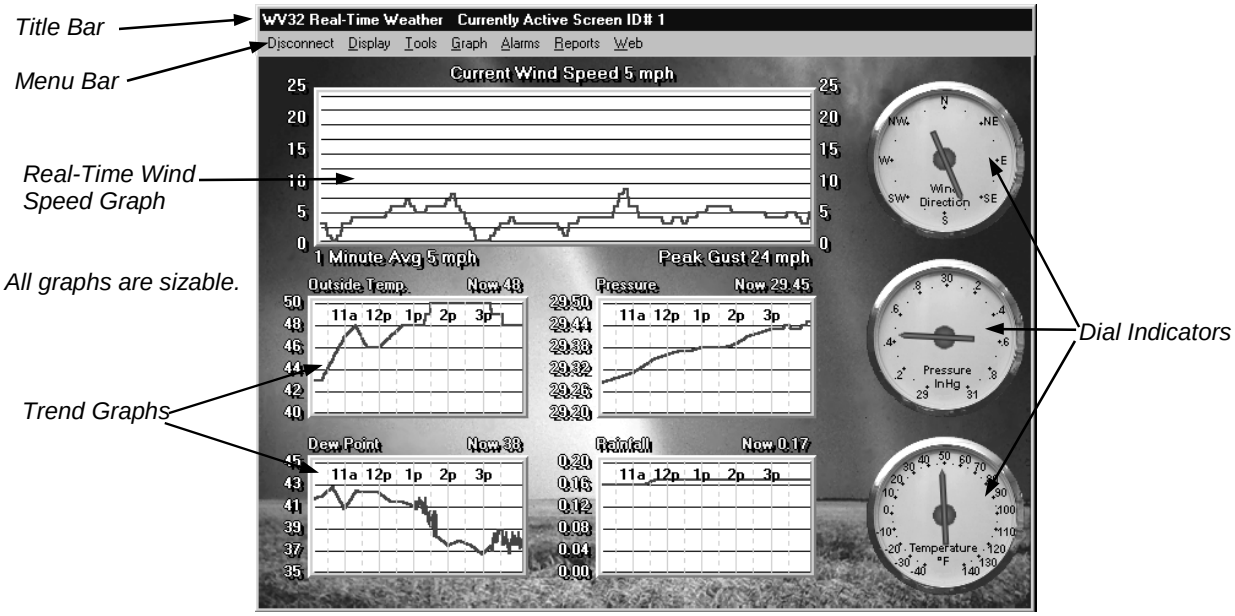
The Real-Time Monitoring Screen is the center of Weather View 32. Press the 1, 2, 3, 4 or 5 key to load screens #001 through #005 respectively when the Real-Time Monitoring screen is active (Monitor Weather). The Home version contains only one screen. Shown below are screens with descriptive text to show how the screen was created.

The Real-Time monitoring screens can be customized in 1000's of ways using the many display objects available in Weather View 32. Up to 100 screens can be designed and saved with this program.

An easy way to create a screen is to click on and Then, makes changes from the existing screen. (You may notice a few changes between your screen #2 and the example below. It has been modified to be printer-friendly.)

Quickly making a new screen:

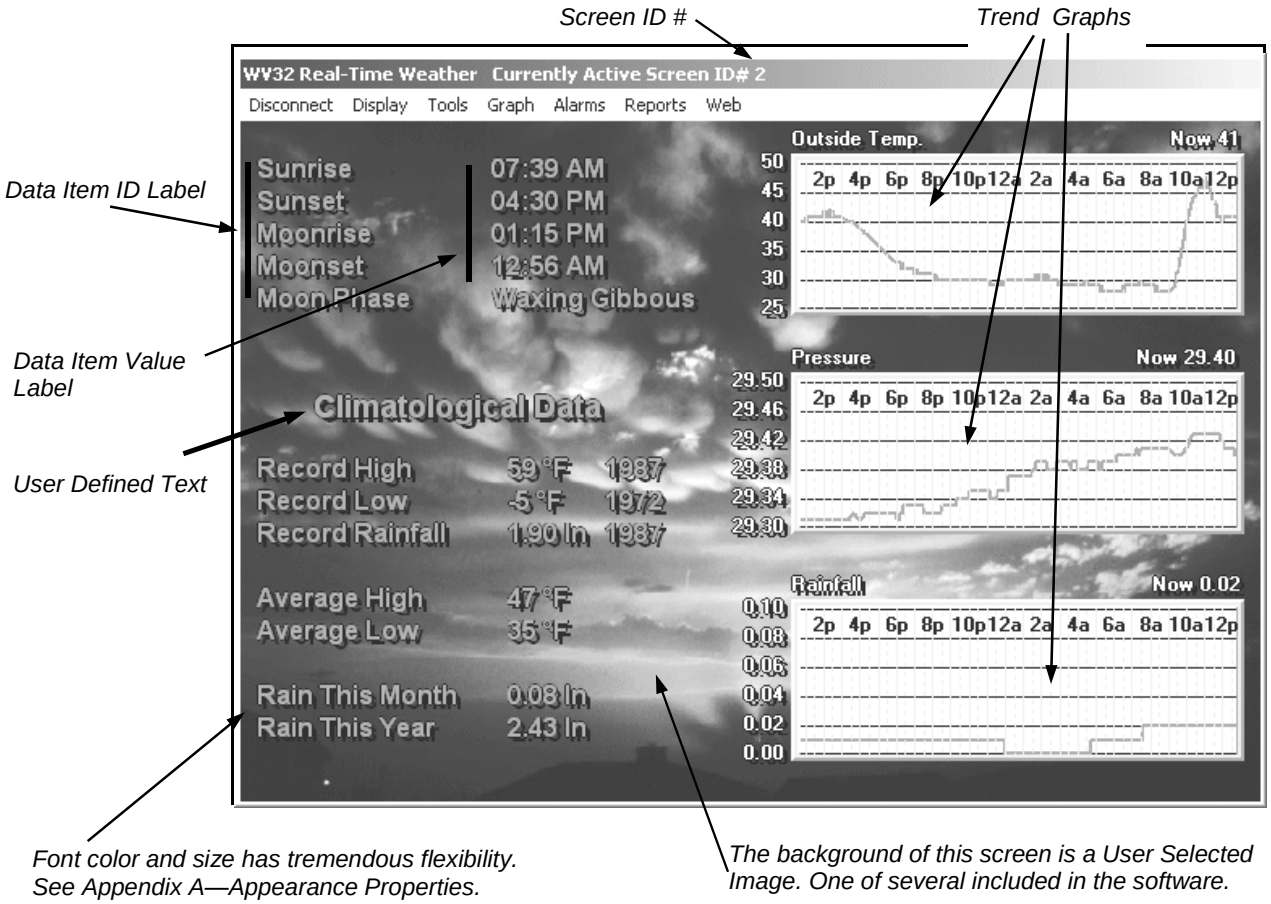
1. Click on Display, Screen Properties, Screen File Management
2. Save the Current Screen As a number above WV32 Screen ID #005.
3. Move the mouse over any item and left-click with your mouse.
4. When the pop-up Display Menu appears, select Modify Object. See how varying the settings affects the object in the Preview Window below (on screen only). The item can also be duplicated, by selecting New Object with Current Objects Setting.
5. Add a new object by left-clicking in an empty spot on the window.
6. CTRL-S to save when done.



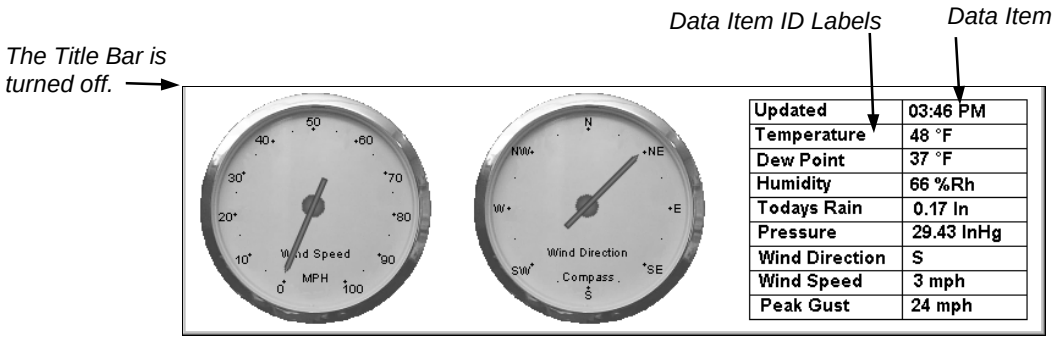
Tip: An "Object" is any item added to the Real-Time Monitoring Screen. An object can be text, sensor readings, indicators, graphs or any of the objects shown on pages 69-86.

Overview - Real-Time Monitoring Screen *(continued from previous page)*

This screen displays data collected from the connected weather station and from the US Climate Database.



The screen below uses a complex background designed by making a grid in the background image. The background is a white field with the grid in place on the right side. All text and the dial indicators are Weather View 32 display objects. The background image was placed on the Real-Time screen and then each text object was positioned therein.



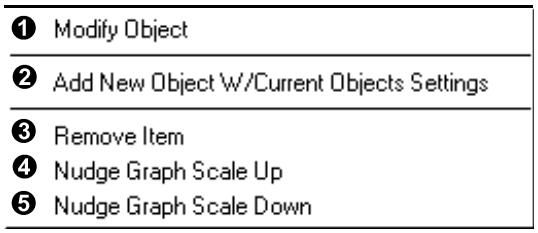
Modifying the Appearance of the Real-Time Monitoring Screen

Add Text, Sensor Images, Graphs, and Images to the Screen	Right click on a blank area of the display and a popup version of the Display Menu appears (shown below). When the display object is added to the screen, it is placed where the original mouse click occurred.
Moving Objects	Click within any object. The mouse cursor changes to a 4-way arrow. Drag and drop to move the object. *If ToolTips is not disabled, a short message displays when the mouse pointer is over a display object.*
Minimizing the Screen	To minimize the display, select the Display menu and choose the Minimize the Real-Time Screen menu choice.
Exiting Real-Time Monitoring	When the Menu Bar is hidden, press the ESC key to exit.
Sizing the Screen	The entire real-time display window is sizable. Using the standard Windows convention, place the cursor anywhere over the border of the screen, a two-ended arrow displays. Resize as desired by pressing the right hand mouse button and releasing at the new size.

Tip: An "Object" is any item added to the Real-Time Monitoring Screen. An object can be text, sensor readings, indicators, graphs or any of the objects shown on pages 69-86.

Pop-Up Display Menu

Used for: Adding objects to or modifying objects on the Real-Time Monitoring Screen.

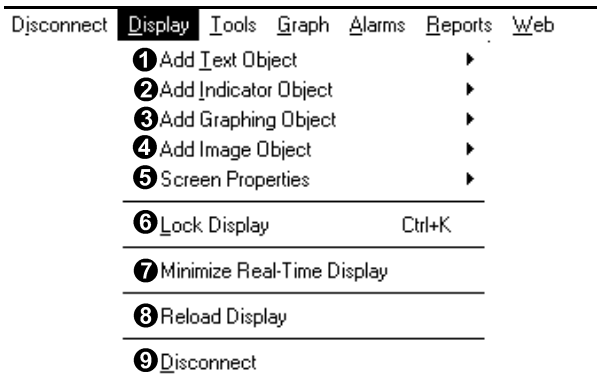


Right-mouse click on an object to show this menu, or on an empty portion of the Real-Time Monitoring Screen to add a display object.

If a HTTP image is clicked on to show this menu, the option to animate the image displays.

❶ Modify Object.	Select to change the settings of the object selected.
❷ Add New Object W/Current Objects Settings.	Add a new object identical to the object selected by selecting this menu option.
❸ Remove Item.	Select to delete the object from the layout.
❹ Nudge Graph Scale Up	The scale of a Real-Time Wind Screen Graph can be increased to better suit the current weather conditions.
❺ Nudge Graph Scale Down	The scale of a Real-Time Wind Screen Graph can be decreased to better suit the current weather conditions.

Display Menu



❶ Add Text Object	Place Sensor ID's, Sensor Output Values, User Defined Text, a Timed Sequential Object, or Captured HTTP Text on the Real-Time Monitoring screen. Pages 69-74.
❷ Add Indicator Object	Place Dial Indicators, Thermometers, a Wind Run object, METAR Wind Direction and METAR Sky/Weather Conditions objects on the Real-Time Monitoring screen. Pages 75-79.
❸ Add Graphing Object	Add Trend Graphs, a Real-Time Scrolling graph of Wind Speed, and if available on your weather station, a special graphing object dedicated to the display of lightning data. Pages 80-83.
❹ Add Image Object	Place a User Defined Image, HTTP image, or Moon Phase object on the Real-Time Monitoring screen. Pages 84-86.
❺ Screen Properties	Assign an image in the background of the Real-Time Monitoring screen, change the background color, and save screen configurations. Enable Snap-To Positioning, Tooltips, the Menu Bar, the Status Bar and the Title Bar from the Screen Properties menu item. Page 87-91.
❻ Lock Display	If checked, prohibits moving of objects on the screen. *(Good for houses with cats that play with the mouse!)*
❼ Minimize Real-Time Display	Minimize the display to keep Weather View available while using other applications on the computer.
❽ Reload Display	The computer redraws the Real-Time Monitoring screen.
❾ Disconnect	End this monitoring session.

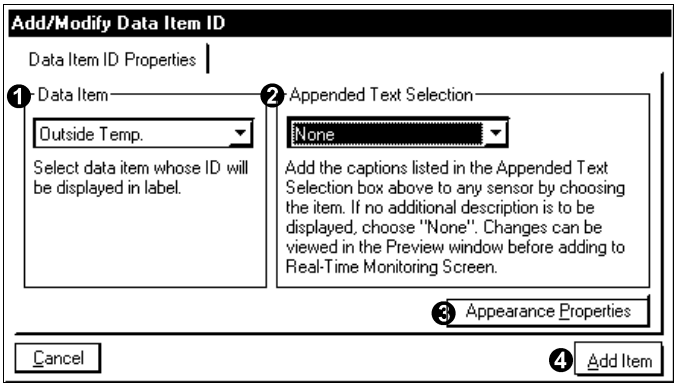
Display Objects

Object Type	Object Name	Description
Text	Data Item ID Label	Allows placement of up to 50 labels. Each label identifies a sensor.
	Data Item Value Label	Place up to 50 Data Item Value Labels on the Real-Time Monitoring Screen. Data Items can be sensor readings, date, time, climatological data, sun and moon information, maximum and minimum daily sensor readings, and rate of change.
	User Defined Text	Up to 20 user-defined lines of text may be added to the Real-Time Monitoring screen.
	Timed Sequential Data Item	Display a timed series of text and readings. The object cycles through multiple types of data for a preselected duration. Max/min temperature, peak wind gust, date/time,rainfall, sun/moon data, climatological data, and user entered text can be displayed. (1 available).
	HTTP Text File Object (Pro)	Display a text file retrieved from an HTTP site.
Indicator	Dial Indicator	Up to 10 different dial indicators may be placed on the Real-Time Monitoring Screen.
	Thermometer	Up to 10 graphical thermometers may be placed on the desktop and assigned to any available sensors reporting temperature data. This object is only suitable for display resolutions >= 800 by 600.
	Wind Run	A wind run object is available for placement on the Real-Time Monitoring Screen. This object displays the past 1 hour of wind data based on vector analysis of direction and speed. Spokes will radiate out from the center of the wind run object Based upon the vectors previously calculated.
	METAR Direction (Pro)	This object graphically indicates the wind direction for up to 15 METAR sites with a small pointer.
	METAR Weather Icon (Pro)	Up to 15 small images representing the current weather being reported by a particular METAR site can be placed on the Real-Time Monitoring Screen.
Graph	Trend	Up to 15 trend graphs detailing the conditions over the past 3,6,12, or 24 hours may be configured for placement on the Real-Time Monitoring Screen.
	Real-Time Wind Speed	The current wind speed is represented both as text and graphically. As time passes, the graph scrolls to the left at approximate intervals of one second.
	Lightning Detection	Display lightning detection data in graphical form.
Image	User Defined	Allows the addition of one user-defined image to the Real-Time Monitoring Screen. This is separate from the image that may be assigned to the background of the Real-Time Monitoring Screen.
	HTTP (Pro)	Add images from up to 5 URL's. These images are updated at user specified times and may be displayed on any WV32 screen configuration. The ability to animate any of the 5 available images is provided. Animating an image requires a single mouse click!
	Moon Phase (Pro)	Display the current phase of the moon.

Data Item ID Label

Applies to: ☑Basic ☑Home ☑Standard ☑Professional ☑Broadcast

Used for: Use this object to place descriptive labels on the Weather View Real-Time Monitoring screen. This can simply be the ID for sensor or a more descriptive label. The appearance of the text is user configured. (50 Available). To add a matching sensor value, configure a Data Item Value Label when this object is complete.



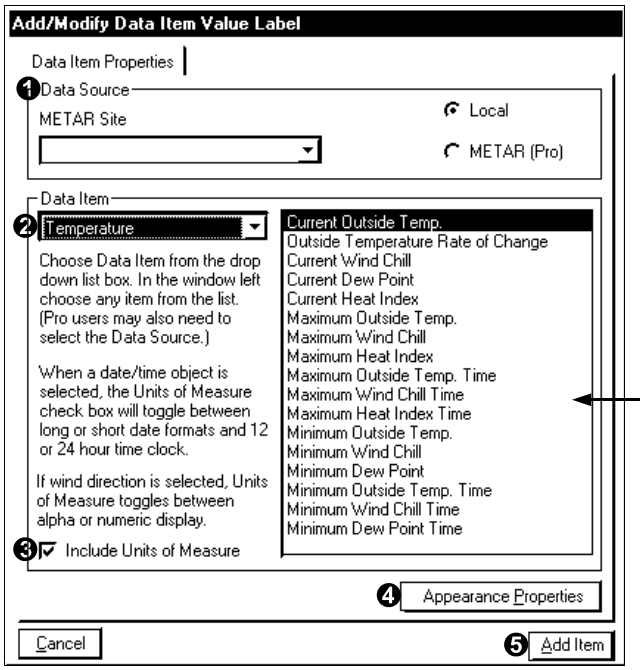
Look for the Preview below the configuration window. The Preview changes as the object is configured.

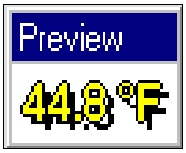
Configuration Steps	
❶ Data Item	Select one of the sensors installed on the weather station. The ID contained in
❷ Appended Text Selection	To better describe the sensor, choose any appended text from the drop down
❸ Appearance Properties	Change the font, font color and font size of any Data Item by choosing the
❹ Add Item	Click to add the display object.

Data Item Value Label

Applies to: ☑Basic ☑Home ☑Standard ☑Professional ☑Broadcast

Used for: Use this object to place a text reading of any sensor's data on the Real-Time Monitoring screen. Current readings, maximum daily readings, minimum daily readings, climate data, time, date, rate of change for a selected set of sensors,monthly and yearly rainfall, plus sun and moon information can be added to the screen. These labels update as fast as the data collects, generally once every one to two seconds. (50 Available). Review the following page for the comprehensive list of readings and calculations. METAR only in Professional and Broadcast Versions.





See the comprehensive list on the following page for all available readings and calculations that can be shown on the Real-Time Monitoring Screen.

Configuration Steps	
❶ Data Source (Pro)	Select data source. Installed weather station or METAR site (Only available in the Professional edition).
❷ Data Item	Select Data Item. The window reflects the available reading or calculation to display based on the selected Data Item. Select any reading or calculation from the list to display.
❸ Units of Measure	Mark this check box to display the units of measure with the sensor reading. If a time or date is selected, this toggles the short date/time format vs. the long date/time format. For wind direction this toggles between cardinal or numeric format.
❹ Appearance Properties	Change the font, font color and font size of any Data Item by choosing this button. See Appendix A - Appearance Properties.
❺ Add Item	Click to add the display object. Also use after modifying the properties of any existing Data Item.

Data Item Value Label

List of Weather, Climatological, METAR, and Sunrise/Sunset Readings and Calculations

Current Inside Temp.
Current Outside Temp.
Outside Temperature Rate of Change
24 Hour Temperature Differential
Current Wind Chill
Current Dew Point
Current Heat Index
Maximum Inside Temp.
Maximum Outside Temp.
Maximum Dew Point
Maximum Heat Index
Maximum Inside Temp. Time
Maximum Outside Temp. Time
Maximum Dew Point Time
Maximum Heat Index Time
Minimum Inside Temp.
Minimum Outside Temp.
Minimum Wind Chill
Minimum Dew Point
Minimum Inside Temp. Time
Minimum Outside Temp. Time
Minimum Wind Chill Time
Minimum Dew Point Time

Current Out Humidity
Maximum Out Humidity
Maximum Out Humidity Time
Minimum Out Humidity
Minimum Out Humidity Time

Current RainFall
Rainfall Rate
Monthly Rainfall
Calender Year Rainfall
Water Year Rainfall
Monthly Rainfall Deficit/Surplus
Calender Year Rainfall Deficit/Surplus
Water Year Rainfall Deficit/Surplus
Average Calender Year Rain to Date
Average Water Year Rain to Date
Average monthly Rain to Date
Crop 1 Evapotranspiration
Crop 2 Evapotranspiration
Crop 3 Evapotranspiration
Crop 4 Evapotranspiration
Crop 5 Evapotranspiration

Current Pressure
Pressure Rate of Change
Maximum Pressure
Maximum Pressure Time
Minimum Pressure
Minimum Pressure Time

Current Wind Dir
Current Wind Speed
Maximum Wind Speed
Maximum Wind Speed Time

Current Solar
Maximum Solar
Maximum Solar Time
Minimum Solar
Minimum Solar Time

Current Leaf Wetness

Current Lightning

Sunrise
Sunset
Moonrise
Moonset
Moon Phase
Moon Age
Earth-Moon Distance (miles)
Time
Date

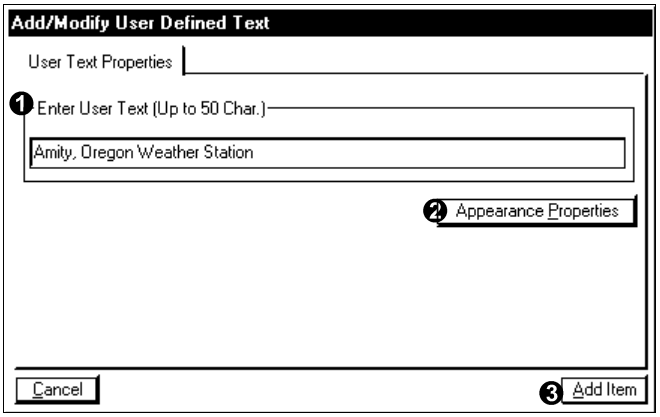
<u>From the Climatological Database</u>
Record High
Record High Year
Average High
Record Low
Record Low Year
Average Low
Record Rainfall
Record Rainfall Year
Record Snowfall
Record Snowfall Year

<u>From a selected METAR station's database</u>
Temperature
Wind Chill
Dew Point
Heat Index
Humidity
Pressure
Wind Direction
Wind Speed
Current Weather
Site Name
Record High
Record High Year
Average High
Record Low
Record Low Year
Average Low
Record Rainfall
Record Rainfall Year
Record Snowfall
Record Snowfall Year

User Defined Text Object

Applies to: ☑Basic ☑Home ☑Standard ☑Professional ☑Broadcast

Used for: Use this object to place user defined text onto the Real-Time Monitoring screen. (20 Available)

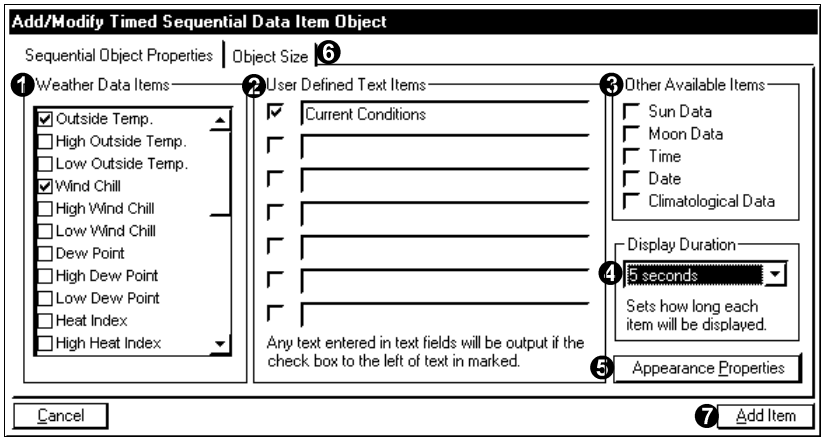


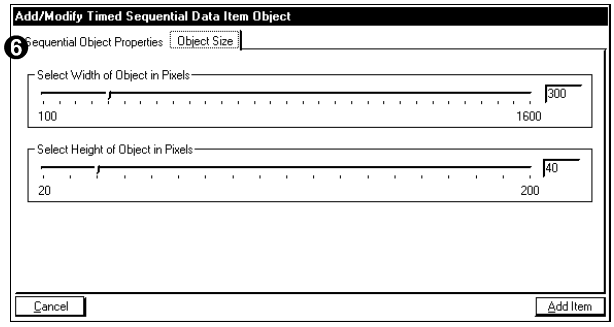
Configuration Steps	
❶ Enter User Text	Enter any text. 50 characters is the maximum length.
❷ Appearance Properties	Change the font, font color and font size of any Data Item by choosing this
❸ Add Item	Click to add the display object.

Timed Sequential Data Item

Applies to: ❑ Basic ❑ Home ☑Standard ☑Professional ☑Broadcast

Used for: Display a timed object. The object cycles through multiple types of data for a preselected duration. Max/min temperature, peak wind gust, date/time, rainfall, sun/moon data, climatological data, and user entered text can display. (1 available).



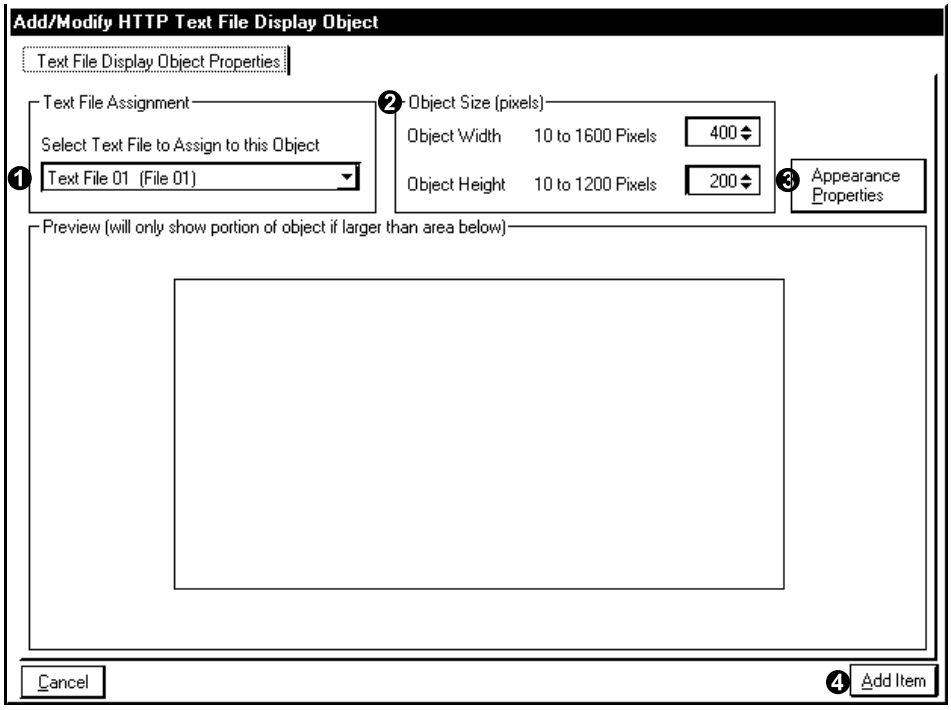


Configuration Steps	
❶ Weather Data Items	This list displays all of the weather related data that can appear on this object. Check mark the items to include. When an item is check marked, the item appears in the Preview window formatted with the current font settings.
❷ User Defined Text Items	Enter any text to display and check mark the check box next to the item. If the mouse pointer moves over an individual checkbox, the line of text will appear in the Preview window.
❸ Other Available Items	Check the box to include the data item in the selection list. The climatological data option displays the following data for the current date: average high, record high with year, average low, record low with year, average rainfall, record rainfall with year, average snowfall, record snowfall with year.
❹ Display Duration	Select the amount of time in seconds for each item to appear.
❺ Appearance Properties	If desired, set the Appearance Properties of the text. See Appendix A - Appearance Properties. Be sure the items included in the selection list fit on the Real-Time display desktop! The Sun/Moon data lines are the largest predefined item. User text can be quite large if a large font size is chosen.
❻ Object Size Tab	Click on this tab to size the object. The best way to use this tab is to test different settings until the desired size is attained. Any object can fill the entire screen. *(During wind storms we like a full-screen Real-TimeWind Speed Graph!)* Changes display in the Preview window.
❼ Add Item	Click to add the display object.

HTTP Text File Object

Applies to: Basic ❑Home ❑Standard ☑Professional ☑Broadcast

Used for: Display text retrieved from the internet on a Real-Time Monitoring screen. Most often used to show a current forecast captured from the internet.

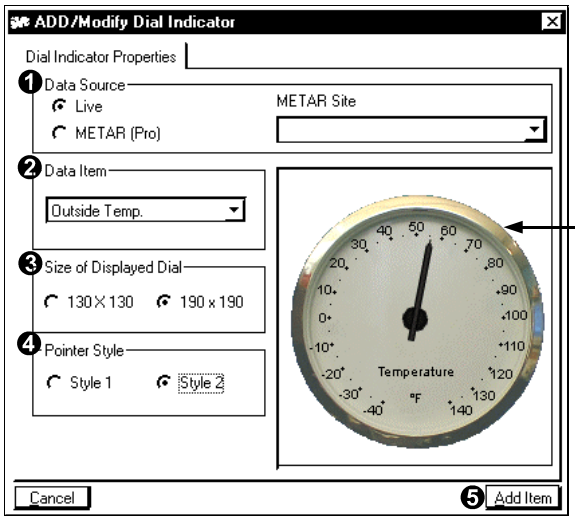


Configuration Steps	
❶ Text File to Assign	Choose the file name to associate with this object from the drop-down list box.
❷ Object Size	Use the spin buttons to set the width and height of the text box as it is to appear on the Real-Time Monitoring screen. The size is in pixels.
❸ Appearance Properties	Configure the Appearance Properties of the text by clicking on this button. See also Appendix A - Appearance Properties.
❹ Add Item	Click on this button to add the display object and return to the Real-Time Monitoring screen.

Add Dial Indicator

Applies to: ☑Basic ☑Home ☑Standard ☑Professional ☑Broadcast

Used for: To place a realistic digitized representation of a dial indicator onto the Real-Time Monitoring screen in either of two sizes, select this object. (30 Available). METAR data is only available in the Professional and Broadcast versions.



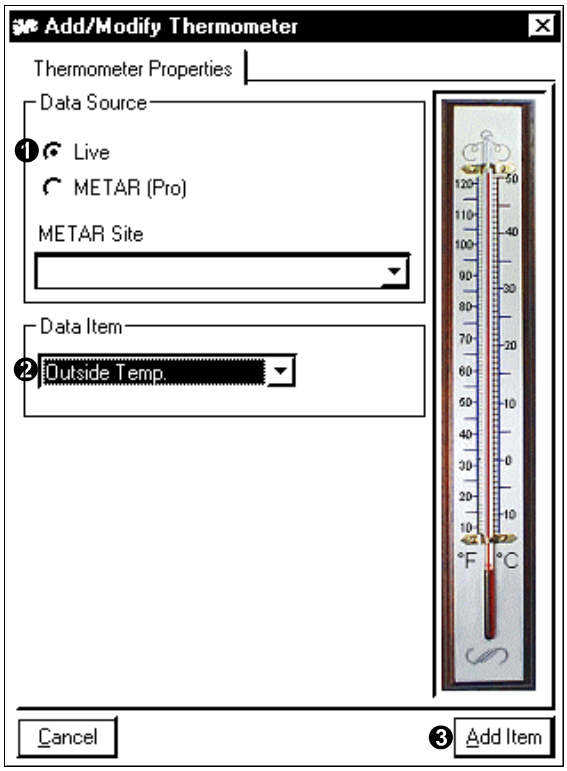
Dial Indicator Preview. The current background color of the Real-Time Monitoring screen shows. Complicated backgrounds do not display.

Configuration Steps	
❶ Data Source	Select either Live data from the connected weather station or METAR data for
❷ Data Item	Select the sensor to represent on the dial.
❸ Size of Displayed Dial	Choose one of the two sizes.
❹ Pointer Style	Choose one of the two pointer styles.
❺ Add Item	Click to add the Dial Indicator.

Add Thermometer

Applies to: ☑Basic ☑Home ☑Standard ☑Professional ☑Broadcast

Used for: Place a realistic digitized representation of a thermometer onto the Real-Time Monitoring Desktop, select this object. (10 Available). METAR data is only available in the Professional and Broadcast versions.



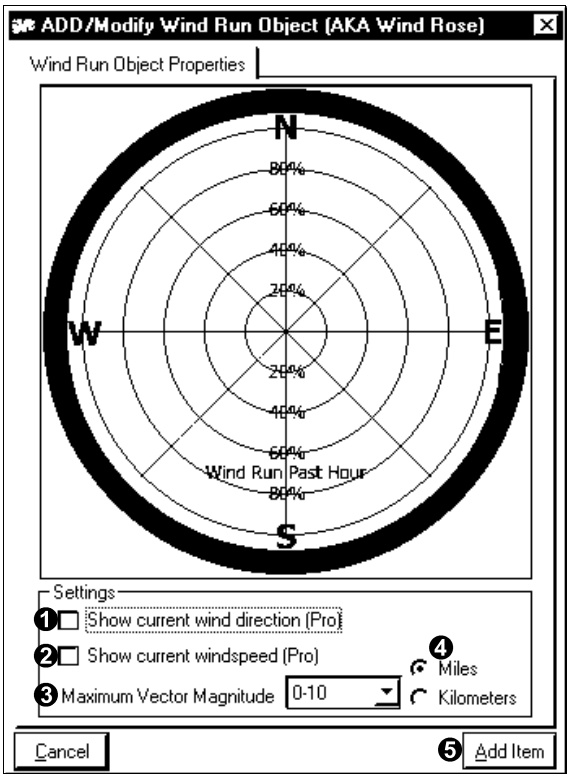
Due to the size of this object, it is limited to use on computer systems whose display settings are set to a resolution equal to or greater than 600x800 pixels. On systems running a lower screen resolution, the entire object's height exceeds the available space.

Configuration Steps	
❶ Data Source	Select either Live data from the connected weather station or METAR data for
❷ Data Item	Select the temperature sensor/reading to represent on the thermometer.
❸ Add Item	Click to add the thermometer.

Add/Modify Wind Run Object

Applies to: ☑Basic ☑Home ☑Standard ☑Professional ☑Broadcast

Used for: Choose this item to display a Wind Run object. Wind Run is the total distance that the wind has traveled during a period of time in a particular direction. Weather View graphically displays the total wind run for each of 16 compass points for the past 60 minutes. (1 Available). This object requires data collected in Real-Time Monitoring mode. The Wind Run dial is not accurate until you are on-line with the weather station for at least an hour. (Limited Standard Version Support)



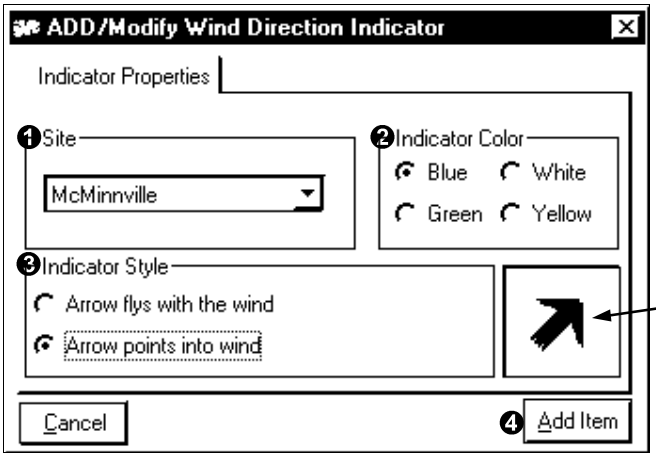
A full-scale reading extends from the center point of the dial to just short of a circle which would encompass all of the directional indicators along the perimeter of the dial indicator.

Configuration Steps	
❶ Show Current Wind Direction (Pro)	A white circle displays representing wind direction on the dark outline
❷ Show Current Wind Speed (Pro)	The current wind speed displays on the upper left hand side of the
❸ Maximum Vector Magnitude	Select the total distance (wind run) that can be displayed on the dial. Selecting a short distance allows light winds to show better. As a rule of thumb, estimate the average wind speed and and select the distance
❹ Unit of Measure	Choose either miles or kilometers.
❺ Add Item	Click to add the wind run object.

METAR Direction

Applies to: ❑ Basic ❑Home ❑Standard ☑Professional ☑Broadcast

Used for: Graphically indicates the wind direction for up to 15 METAR sites with a small pointer. (Imagine setting the background of a particular WV32 screen configuration to an image file containing a map of your area, and placing this and other METAR related data objects transparently over the appropriate locations. Instant current TV weather report!)



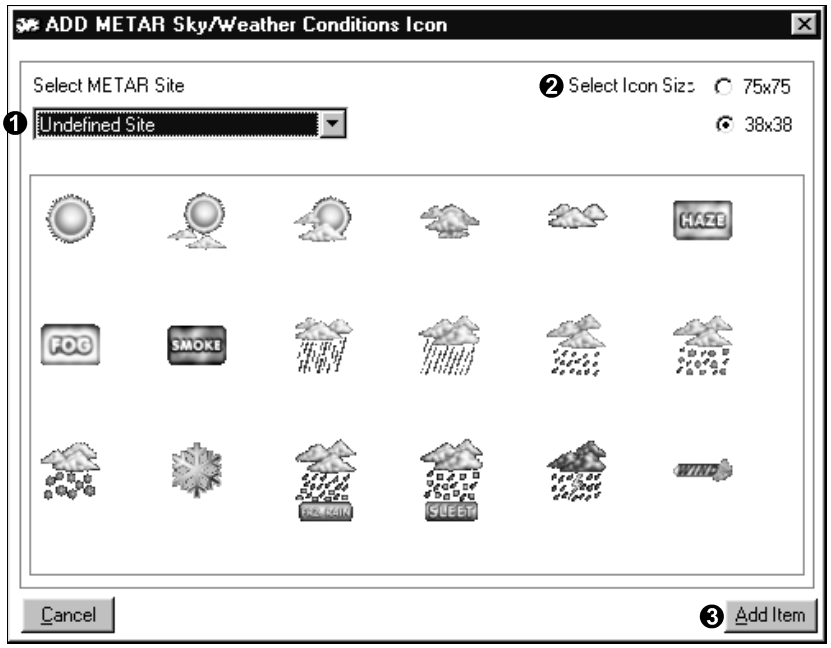
Style and color changes are reflected in the Preview Window.

Configuration Steps	
❶ Site	Choose METAR site to obtain weather data from.
❷ Indicator Style	Choose whether the arrow flies with the direction of the wind or whether the arrow points into the wind (as a wind gauge arrow does).
❸ Indicator Color	Choose color of arrow indicator. Consider the Real-Time Monitoring desktop background in choosing a color.
❹ Add Item	Click to add the indicator.

METAR Weather Icon

Applies to: ❑ Basic ❑Home ❑Standard ☑Professional ☑Broadcast

Used for: Up to 16 small images that represent the current weather being reported by a particular METAR site can be placed on any WV32 screen configuration. These images are transparent.



Sky Conditions → *Weather*

Weather Conditions ↓

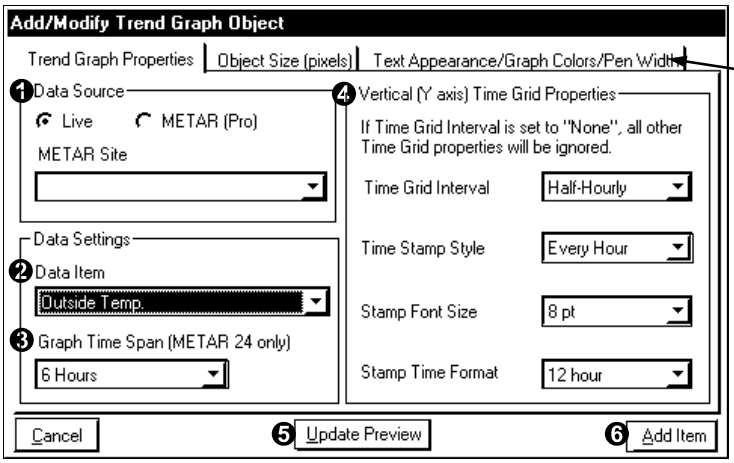
Sunny Clear	Few Fair Scattered	Partly PTLY PLY	Mostly Broken	Cloudy Overcast	Haze
Fog	Smoke	Shower	Drizzle	Rain	Mixed
Snow	Snow	ZR Freezing Rain	Sleet Hail	Thunder Lightning	Wind Blowing

Configuration Steps	
❶ Select METAR site	Select METAR site to assign to Sky/Weather condition to display.
❷ Select Icon Size	Choose either 75 X 75 pixels or 38 X 38 pixels for the area of the icon on the screen.
❸ Add Item	Click to add the indicator.

Add/Modify Trend Graph Object

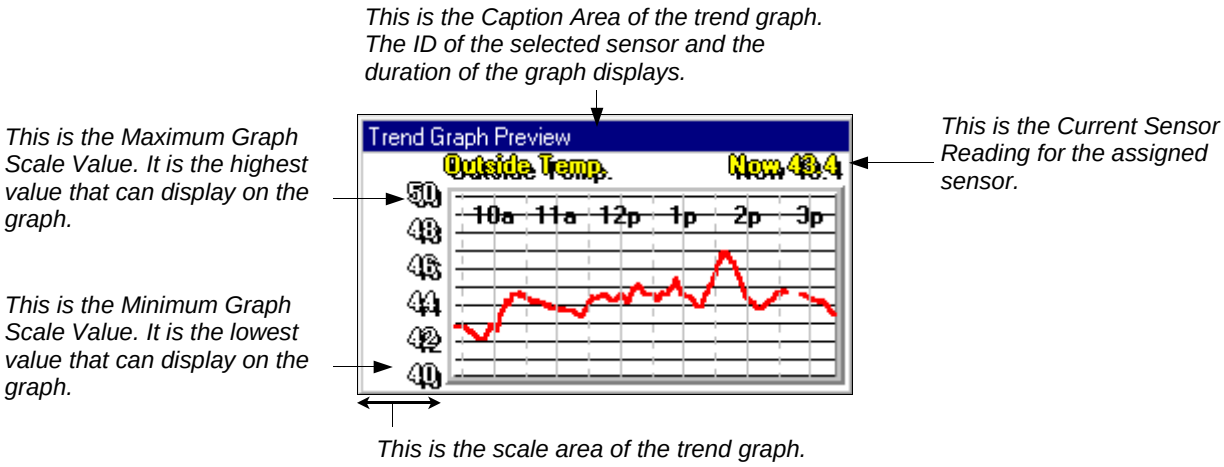
Applies to: ☑Basic ☑Home ☑Standard ☑Professional ☑Broadcast

Used for: This object is a user sizable graph of the past readings for an assigned sensor. These graphs update as new data collects. The Trend Graph automatically determines the Max/Min values of the object. If the current reading exceeds the range of the Trend Graph while in Real-Time Monitoring, the graph is redrawn and the scale adjusts. (METAR only in Professional and Broadcast Versions)



Tip: Object size and Text Appearance Tabs configuration instructions are on page 83. Study the example below to identify the components of a trend graph. Be able to identify the components to accurately use the settings on these tabs.

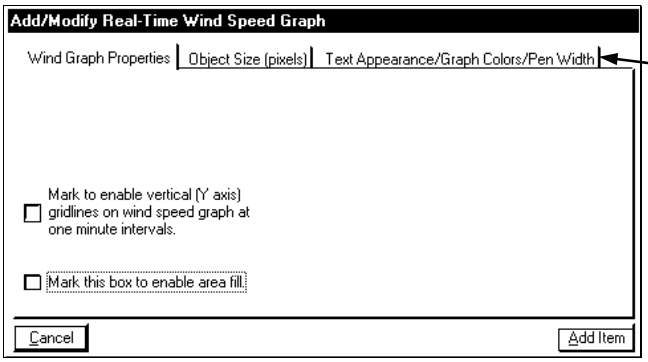
Configuration Steps	
❶ Data Source	Select Live data from the active weather station or a METAR site. Only the
❷ Data Item	Choose the sensor to assign to the Trend Graph.
❸ Graph Time Span (METAR 24 only)	Select the number of hours to show on the graph. Display the past 3, 6, 12, or 24
❹ Vertical Time Grid Properties	▪ Select Time Grid interval for the time axis. If none, go to Add Item. ▪ Select Time Stamp Style (see preview below). ▪ Choose the Font Size for the text and numbers of the graph.
❺ Add Item	Click to add the indicator.
❻ Update Preview	Click to view changes at any time during configuration.



Add/Modify Real-Time Wind Speed Graph Object

Applies to: ☑Basic ☑Home ☑Standard ☑Professional ☑Broadcast

Used for: This object is a user sizable graph of the past readings for wind speed. The graph updates as new data collects, generally every one to two seconds. The capabilities of the weather station in use determine how frequently the graph updates. The scaling for this graph is based upon the units of measure selected for wind speed set in Setup—Units of Measure.

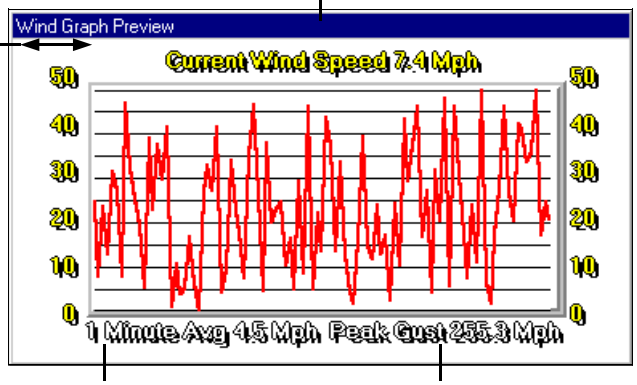


Tip: Object size and Text Appearance Tabs configuration instructions are on page 83. Study the example below to identify the components of a trend graph. Be able to identify the components to accurately use the settings on these tabs.

Configuration Steps	
Enable Area Fill	Click on this box to fill in the area between the trend line and the y-axis.
Nudge Scale Up or Down	Once the object is placed on the display, the graph's scale can be nudged up or down by right clicking on the graph, or by selecting the Nudge Up/Down menu
Add Item	Click to add the indicator. Also used to modify the properties of any existing graph.

The Current Reading indicates current wind speed.

The sizable scale area of the wind graph is indicated, and the columns of text are referred to as the scale text. (Applies to both sides of the graph).



Header/Footer Areas. The indicated areas are sizable.

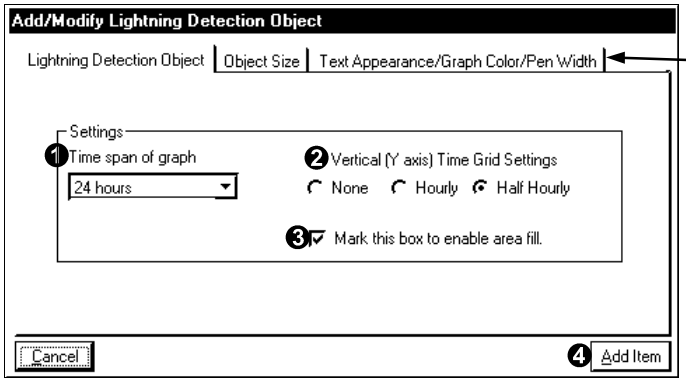
The Average Reading indicates average wind speed for the past minute.

the Peak Reading indicates the highest wind gust since midnight.

Lightning Detection Object

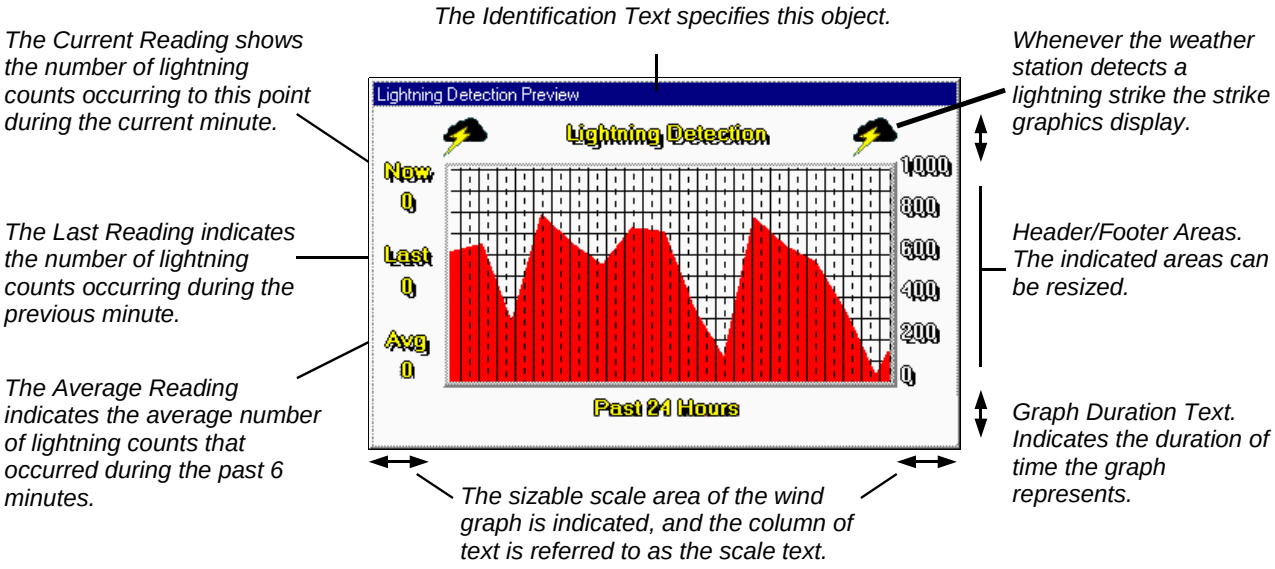
Applies to: ❑ Basic ❑Home ❑Standard ☑Professional ☑Broadcast

Used for: This object is user sizable graph of the past readings for the lightning detection sensor. This graph updates as new data collects.



Tip: Object size and Text Appearance Tabs configuration instructions are on page 66. Study the example below to identify the components of a trend graph. Be able to identify the components to accurately use the settings on these tabs.

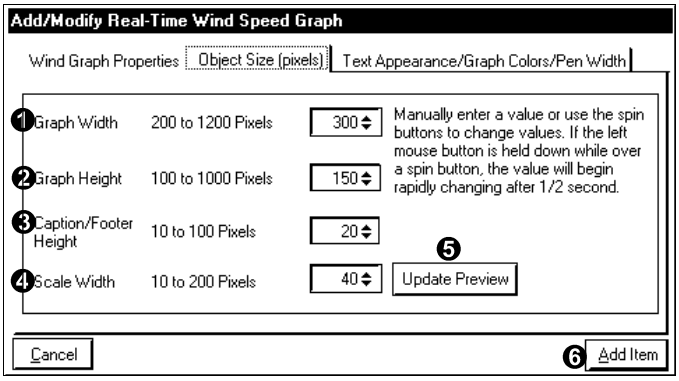
Configuration Steps	
❶ Time Span	Select the duration of the graph (3 hours, 6 hours, 12 hours or 1 day).
❷ Vertical Time Grid Settings	Select Time Grid interval for the time axis.
❸ Enable Area Fill	If the area filled check box is marked, the area below the graph lines on the lightning graph will be filled with the pen color.
❹ Add Item	Click to add the graph.



Object Size

Applies to: ☑Basic ☑Home ☑Standard ☑Professional ☑Broadcast

Used for: Setting the size of Trend, Real-Time Wind Speed, and Lightning Detection Graphs.



Manipulate the spin buttons to change the size settings or enter a value in the box.

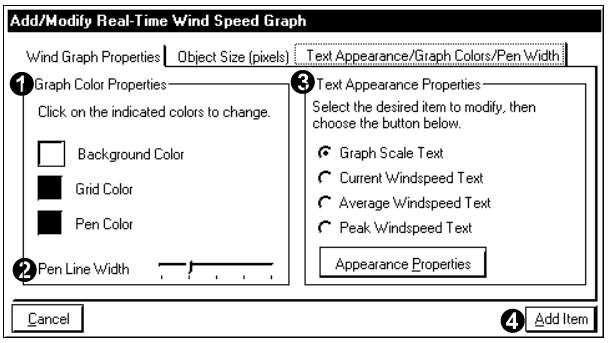
Very similar tabs are used by the Lightning Detection object and the Trend Graph object.

Configuration Steps	
❶ Graph Width	Enter a width.
❷ Graph Height	Enter a height.
❸ Caption/ Footer Height	Enter a caption and footer height.
❹ Scale Width	Enter Scale Width.
❺ Update Preview	Click to view changes at any time during configuration.
❻ Add Item	Click to add the indicator or go to Text Appearance Tab. Also used to modify the

Text Appearance/Graph Color/Pen Width

Applies to: ☑Basic ☑Home ☑Standard ☑Professional ☑Broadcast

Used for: Setting the appearance of any text on Trend, Real-Time Wind Speed, and Lightning Detection Graphs, the colors of the graph, and the width of the pen.



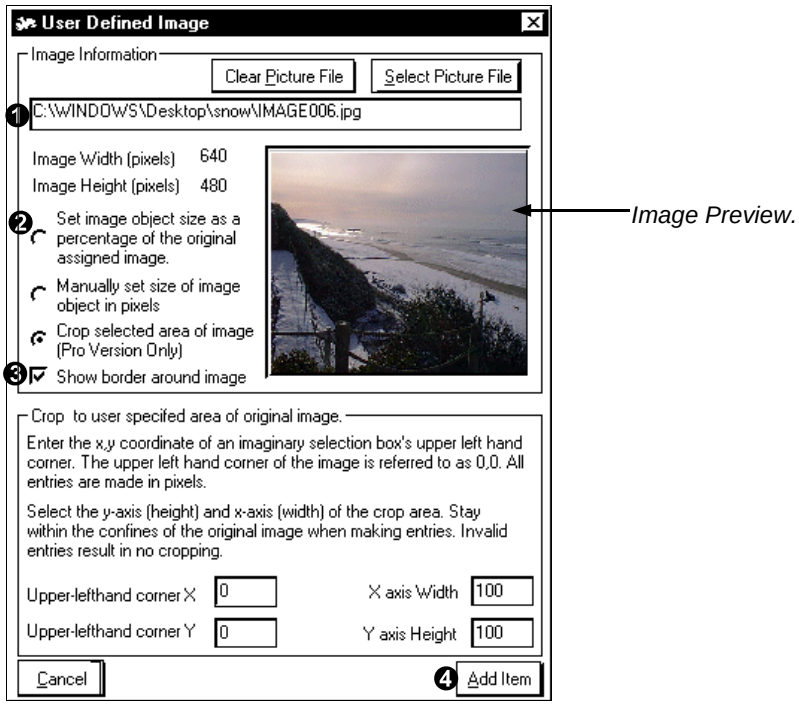
Very similar tabs are used by the Lightning Detection object and the Trend Graph object.

Configuration Steps	
❶ Color to Change	Click on Background Color, Grid Color or Pen Color. The Windows color
❷ Pen Line Width	Drag and drop the pointer to the desired width.
❸ Appearance Properties	To set text Appearance Properties, select the desired text element and
❹ Add Item	Click to add the indicator.

User Defined Image

Applies to: ☑Basic ☑Home ☑Standard ☑Professional ☑Broadcast

Used for: Display a user selected picture on the Real-Time Monitoring screen. This feature is most often used for uploading web cam images on a Weather View 32 screen to the internet. The image can be one of several display objects making a Real-Time Monitoring screen. The image file updates whenever monitoring the weather begins or a different Weather View 32 display configuration file loads. *(Special thanks to Ed Fitzpatrick, Proprietor, for our example - a web cam photo from the WestShore Motel in Lincoln City, Oregon after it actually snowed on the Oregon Coast!)*

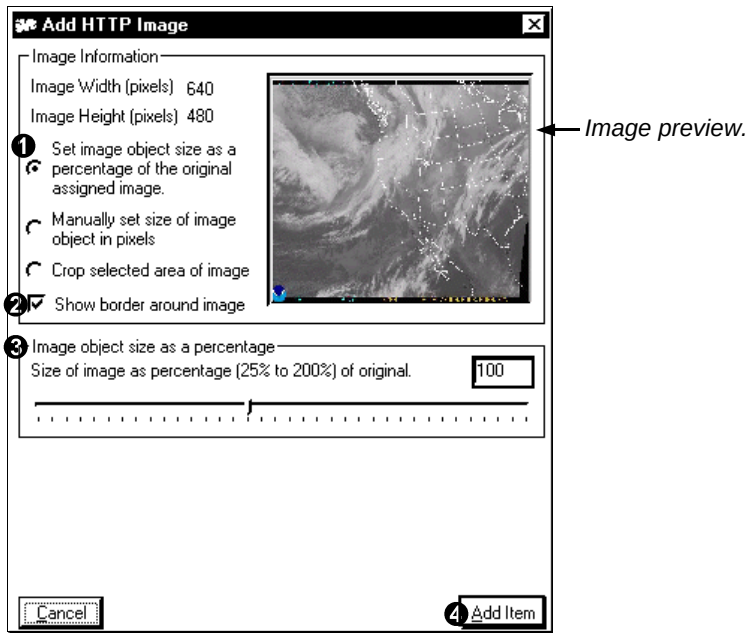


Configuration Steps	
❶	Set the image file name. Click on Clear Picture File to remove an old file. Click on Select Picture File to browse to the image file.
❷	Select one of the three radio buttons to determine how the image is sized. Depending upon which radio button is chosen, the box below changes. ▪ If Set Image as a Percentage of the original image size is selected, enter a percentage in the Image Object as a Percentage box or use the slider to set the percentage. (Use the left and right arrow to change the value.) ▪ If Manually Set Size of Image in pixels is chosen, enter the X (width) and Y (height). ▪ If Crop Selected Area of Image is chosen, select the area of the image to crop out (Pro only).
❸ Show Border Around Image	Click in the box if a border around the image is desired.
❹ Add Item	Click to add the image.

Add HTTP Image

Applies to: ❑ Basic ❑Home ❑Standard ☑Professional ☑Broadcast

Used for: Display an image downloaded from the internet on the Real-Time Monitoring Screen. Define up to 5 URL's which point to images on the net. This feature is most often used for downloading satellite images and displaying as a portion of a Real-Time Monitoring screen. The images are updated at user-specified times. Animate any of the 5 available images by right mouse-clicking on the image!

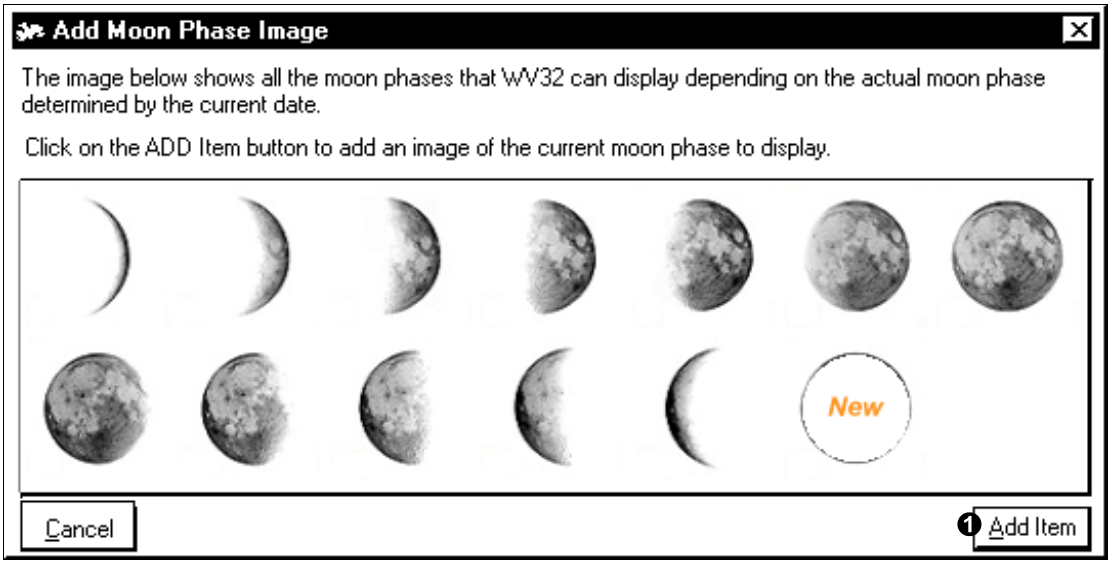


Configuration Steps	
Configure the HTTP Image Retrieval Properties tab in the Setup Menu. See page 31.	
❶ ❷	Select one of the three radio buttons to determine how the image is sized. Depending upon which radio button is chosen, the box below changes. ▪ If Set Image as a Percentage of the original image size is selected, enter a percentage in the Image Object as a Percentage box or use the slider to set the percentage. (Use the left and right arrow keys to change the value.) ▪ If Manually Set Size of Image in pixels is chosen, enter the X (width) and Y (height). ▪ If Crop Selected Area of Image is chosen, select the area of the image to crop out (Pro only).
❸ Show Border Around Image	Click in the box if a border around the image is desired.
❹ Add Item	Click to add the image.

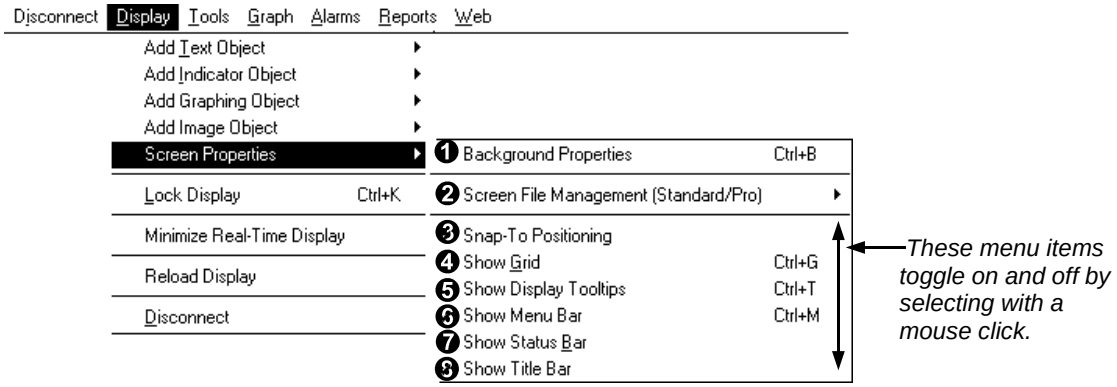
Add Moon Phase Image

Applies to: ❑ Basic ❑Home ❑Standard ☑Professional ☑Broadcast

Used for: Display the current phase of the moon as an image.



Configuration Steps		
❶	Add Item	Click on Add Item to display the current phase of the moon as an image on the Real-Time Monitoring screen.

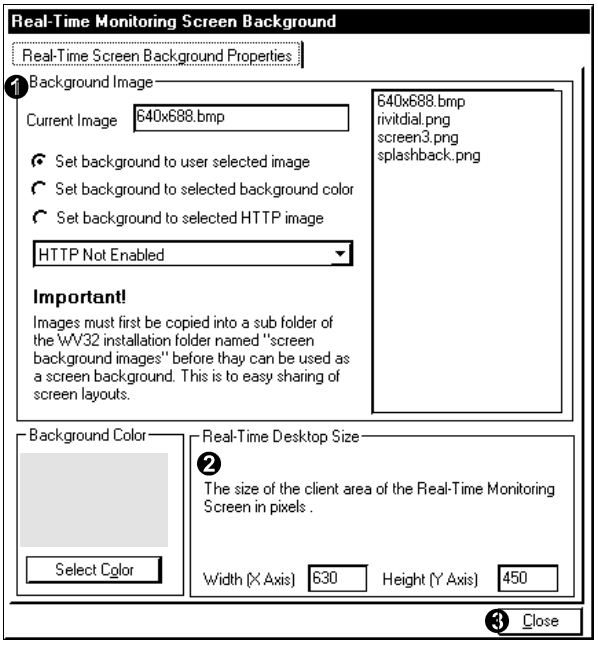


❶ Background Properties	Place an image as the background of the Real-Time Monitoring Screen, change the background color, and/or set the screen size. Page 88.
❷ Screen File Management	Save the current Real-Time Monitoring Screen configuration. Save other screen configurations, Load Screen configurations, and Import or Export Screen Configurations. Page 89-91. Does not apply to Home edition.
❸ Snap-To Positioning	If checked, objects Snap-To a 5-pixel grid when moving.
❹ Show Grid	Check this menu item to display a grid (10 x 10 pixel) on the Weather View Real-Time Monitoring screen. The grid helps to line objects up on the Real-Time Monitoring screen.
❺ Show Display Tooltips	If this menu item is checked, tool tips display whenever the mouse cursor is moved over a display object. Tooltips show useful information.
❻ Show Menu Bar	Check this menu item to display the Real-Time Monitoring Screen menu on the top of the window.
❼ Show Status Bar	If this menu item is checked, a status bar containing the time, date, sunrise and sunset display along the bottom of the Real-Time Monitoring Screen.
❽ Show Title Bar	If this menu item is checked, the Title Bar displays above the Real-Time Monitoring Screen. The Title Bar shows the screen ID name.

Real-Time Monitoring Screen Background

Applies to: ☑Basic ☑Home ☑Standard ☑Professional ☑Broadcast

Used for: The background of the Real-Time Monitoring screen can be an image, an HTTP image, or a selected color. Also used to set the size of the client area of the Real-Time Monitoring Screen. (HTTP option only in Pro Version)



Configuration Steps	
❶ Set Background	Click on one of the three radio buttons depending on your preference, then proceed according to the instructions below: ▪ If User Selected Image is selected, place the image into the Screen Background Images subfolder of the Weather View 32 main folder. Images to be used as screen backgrounds must be placed in this directory. ▪ If Background Color is selected, click on Select Color and choose a color. The color displays in the Preview window. ▪ If HTTP image is selected, choose the image from the drop down list box. This must be configured in Setup - HTTP Retrieval Properties to work. (Professional Version only).
❷ Real-Time Desktop Size	To make the client area of the Real-Time Monitoring Screen a particular size, enter the sizes in pixels using X (width) and Y (height). This is useful for Web screens which must match the size of the image defined in HTML.
❸ Close	Click on Close to exit this screen.

Save Current Screen

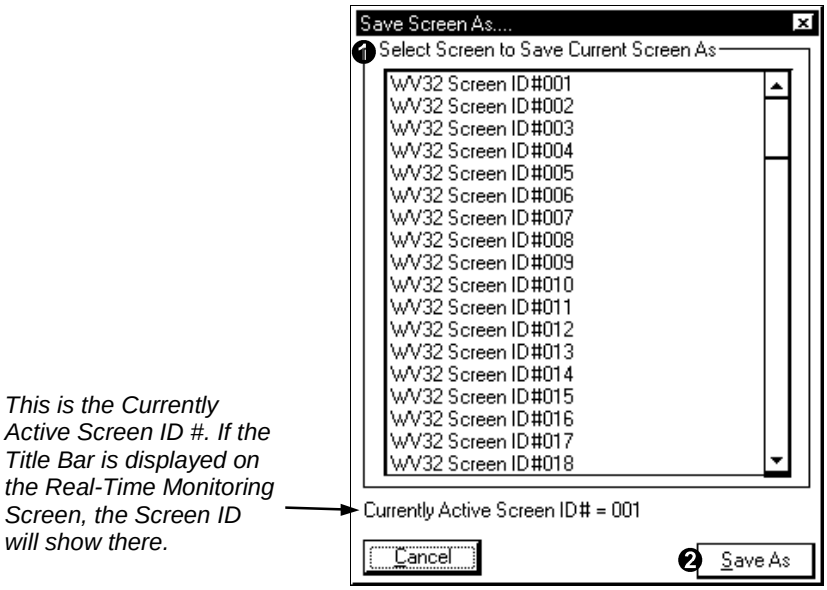
Applies to: ❑ Basic ❑ Home ☑Standard ☑Professional ☑Broadcast

Used for: Save configured Real-Time Monitoring screens. Click on Save Current Screen or CTRL+S while in the Real-Time Monitoring screen.

Save Current Screen As...

Applies to: ❑ Basic ❑ Home ☑Standard ☑Professional ☑Broadcast

Used for: Save the current display as a different Screen ID.

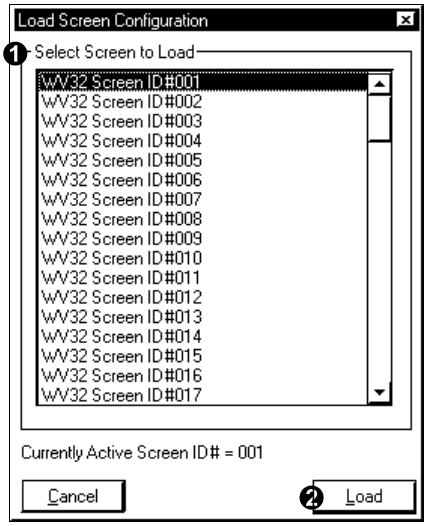


Configuration Steps	
❶ Select Screen to Save	Click on the Screen ID to save the current screen as. The item highlights when
❷	Click on the Save As button. The screen will save and return to the Real-Time Monitoring Screen.

Load Screen Configuration

Applies to: ❑ Basic ❑ Home ☑Standard ☑Professional ☑Broadcast

Used for: Load saved configured Real-Time Monitoring screens. Allows switching between any Real-Time Monitoring Screen.

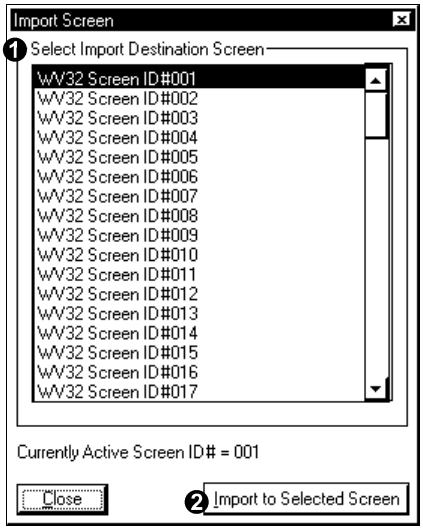


❶ Select Screen to Load	Select the Screen ID to load by clicking on the item.
❷	Click on the Load button. The selected Real-Time Monitoring Screen displays.

Import Screen

Applies to: ❑ Basic ❑ Home ☑Standard ☑Professional ☑Broadcast

Used for: Loads a previously exported Weather View 32 screen into an existing Screen ID. Real-Time Monitoring screens have a .wvs extension.

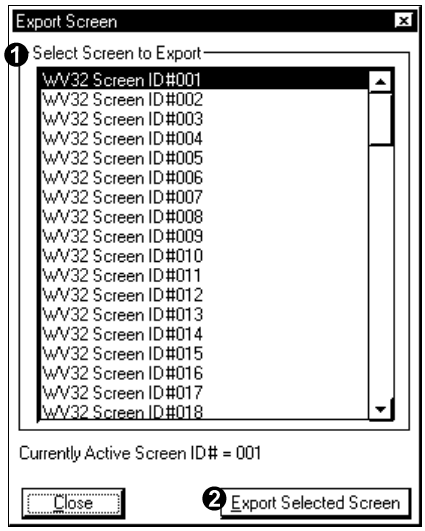


❶ Select Import Destination Screen	Select the Screen ID to Import by clicking on the item.
❷ Import to Selected Screen	Click on the Import to Selected Screen button. A dialog allowing selection of screen to import displays.

Export Screen

Applies to: ❑ Basic ❑ Home ☑Standard ☑Professional ☑Broadcast

Used for: Export a Screen ID as a separate file. (Use to send a neat screen to a weather buddy!)

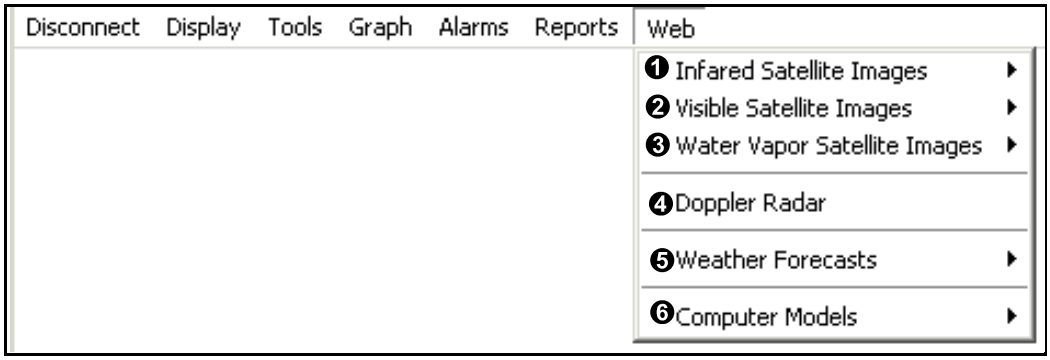


❶ Select Screen to Export	Select the Screen ID to Export by clicking on the item.
❷ Export Selected Screen	Click on the Export Selected Screen button. A dialog allowing selection of export location and export file name displays.

Web

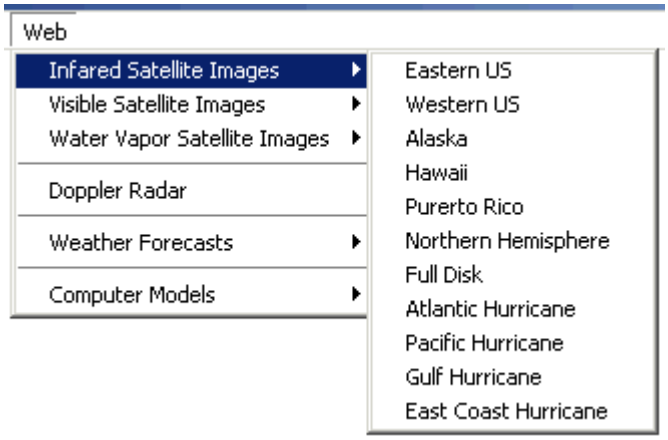
Applies to: ❑ **Basic** ☑**Home** ☑**Standard** ☑**Professional** ☑**Broadcast**

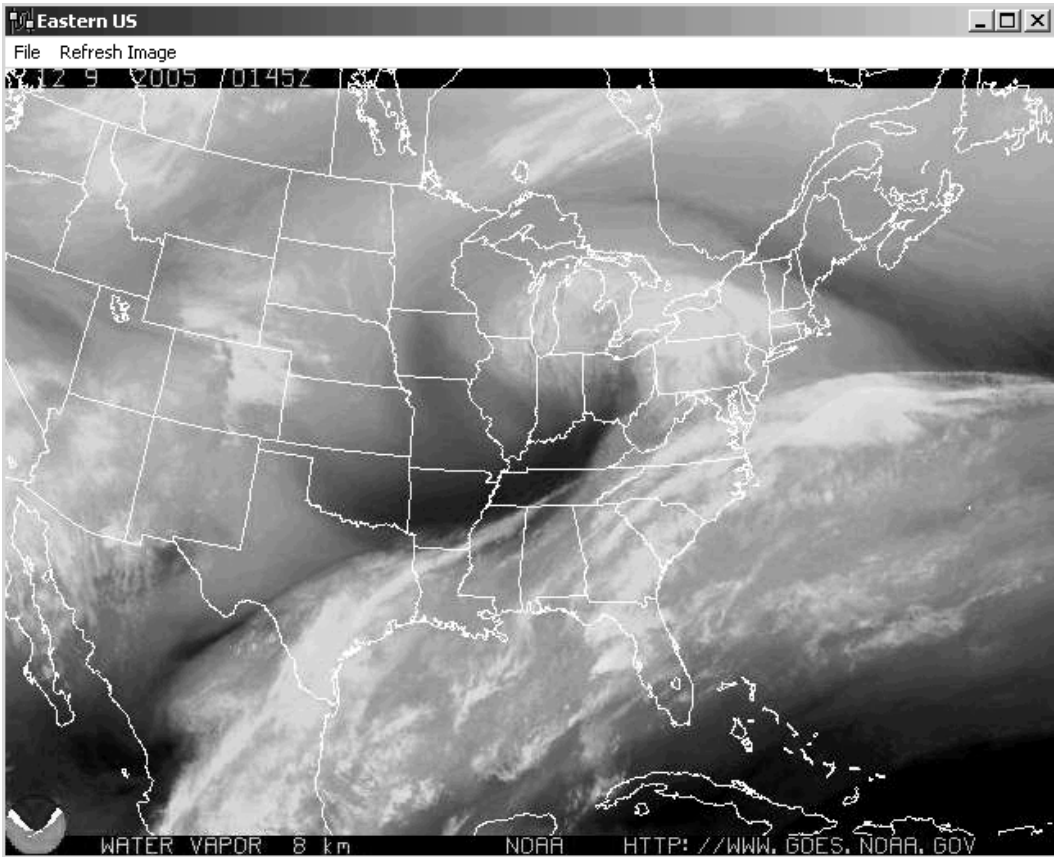
Used for: Preset links to the internet for quick connect and display of frequently chosen sites by weather professionals and enthusiasts.



❶ Infrared Satellite Images	Link to and display Infrared Satellite Images which measure temperature. See opposite page.
❷ Visible Satellite Images	Link to and display Visible Satellite Images which show a picture from space—using the visible wavelength of light. See opposite page.
❸ Water Vapor Satellite Images	Link to and display Water Vapor Satellite Images tuned to the emission of water vapor. See opposite page.
❹ Doppler Radar	Doppler Radar images for various regions of the US by State and City. Page 94.
❺ Weather Forecasts	Link to and display Weather Forecasts by National Weather Service zone or zip code. See page 95.
❻ Computer Models	Numerical model output from various sources. See page 95.

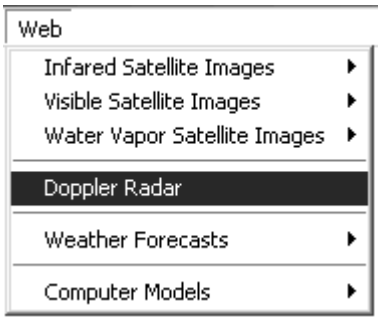
Satellite Images

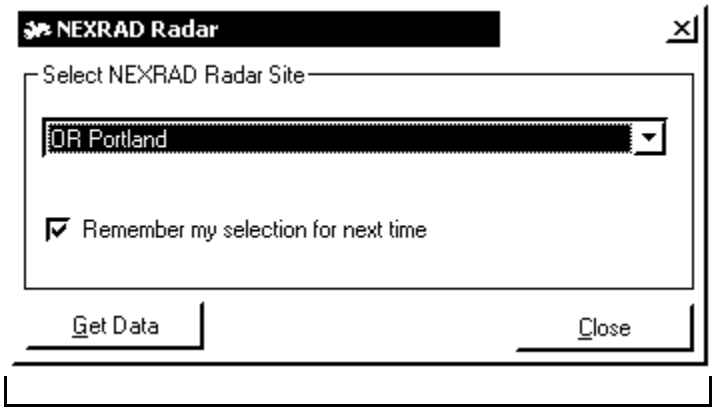




These instructions pertain to Infrared Satellite Images, Visible Satellite Images, Water Vapor Satellite Images and Radar Images.
1. Click on Web, Infrared Satellite Images, Visible Satellite Images, Water Vapor Satellite Images or Radar. A submenu appears. 2. Choose from the desired area to view. 3. The image displays in a format similar to the satellite image above.
While the image displays— ▪ Select Print to print the image. ▪ Select Refresh to refresh the image. ▪ Click on Close to exit.

Doppler Radar



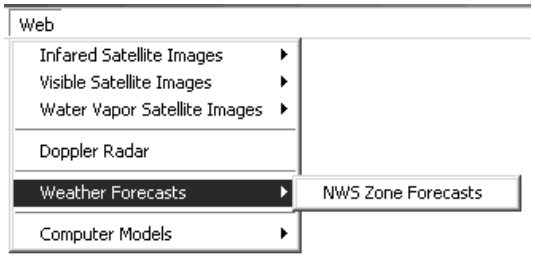


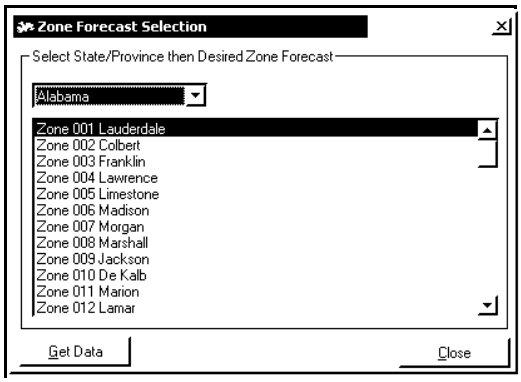
1. Click on Web, Doppler Radar. A submenu appears.
2. Select from the State, City (regional) list.
3. If desired, check the box to Remember this selection.
4. Wait for a few moments (depends on your internet download speed). The image displays in full color.

While the image displays—

- Select Print to print the image.
- Select Refresh to refresh the image.
- Click on Close to exit.

Weather Forecasts



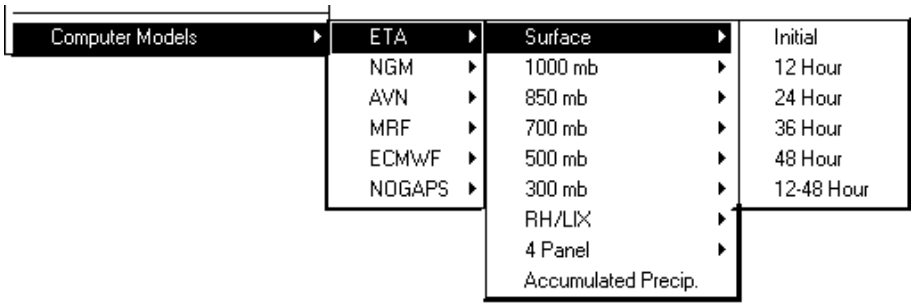


1. Click on Web, Weather Forecasts, NWS Zone Forecasts. A submenu appears.
2. Choose state or province from the drop-down list box.
3. Then choose the zone from the list.

While the forecast displays—

- Select Print to print.
- Select Refresh to refresh.
- Click on Exit to close.

Computer Models



1. Click on Web, Computer Models. A submenu appears.
2. Choose from ETA, NGM, AVN, MRF, ECMWF, and NOGAPS models. A submenu appears.
3. Choose from the list. A final submenu based on timing appears.
4. Choose timing.

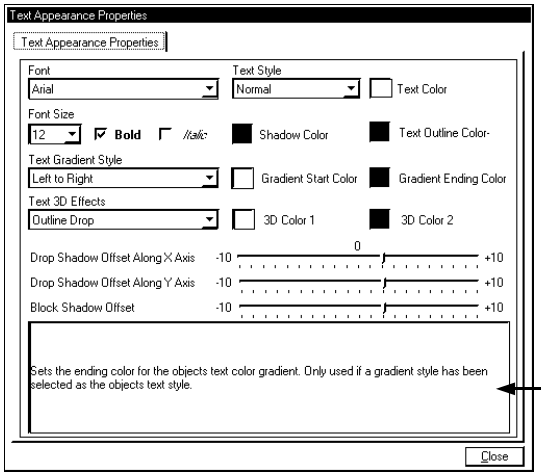
While the image displays—

- Select Print to print the image.
- Select Refresh to refresh the image.
- Click on Close to exit.

Text Appearance Properties

Applies to: ☑Basic ☑Home ☑Standard ☑Professional ☑Broadcast

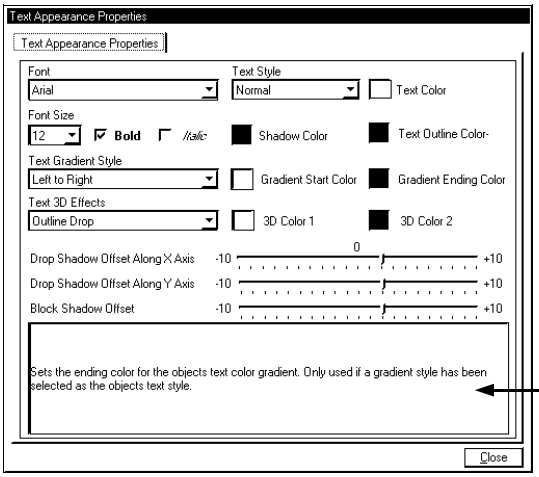
Used for: All modifications to text appearance. Make changes, watch the Preview window and see what can happen!



Preview of the text. Changes display immediately. The background of the Preview is the background color of the Real-Time Monitoring screen, even if an image is the background.

The descriptive text shown in this box changes as the cursor moves over each box and variable.

To change a color, click on the box displaying the current setting of the color option. The Windows Color Dialog appears. Select a color.	
Font	Select Font from the drop down box list.
Font Size	Allows setting the Font Size.
Bold	Check mark to set the font Bold attribute.
Italic	Check mark to set font Italic attribute.
Text Style	▪ Normal - The text has a solid color set in the Text Color box. ▪ Gradient - The text is filled with a color gradient. The appearance of the gradient is defined by the Text Gradient Style, Gradient Start Color and Gradient Ending Color.
Text Gradient Style	If a gradient text style has been selected, sets the the type of gradient to apply to the text. Many different options are available. Experiment with the various choices tosee what can be done.
Text 3D Effects	Set the following 3D effects, None, Raised with Light Shading, Raised with Heavy Shading, Inset with Light Shading, Inset with Heavy Shading, Drop Shadow, Block Shadow, Outline Block, Outline Drop. The colors used in these effects are user defined. See the additional information on the effect of each color setting below and on the next page.
Text Color	Sets the text color if the text style is set to normal. If text style is set to gradient, the text color setting represents a transparent color that is used to achieve the desired text foreground style. In some cases, you might have to change the text color value if there are other identical colors in the object. For example, if the text style is set to gradient, and the text color is set to black and you have black in the background under the object on the Real-Time Monitoring screen, any areas of the objects background which are black will contain the gradient color. In a case like this, change the text color value to a color that is different from the colors in the background .



A Preview of the currently selected item's text displays. Any changes made are immediately applied to the Preview. The background of the Preview is the background color of the Real-Time Monitoring screen, even if an image is the background.

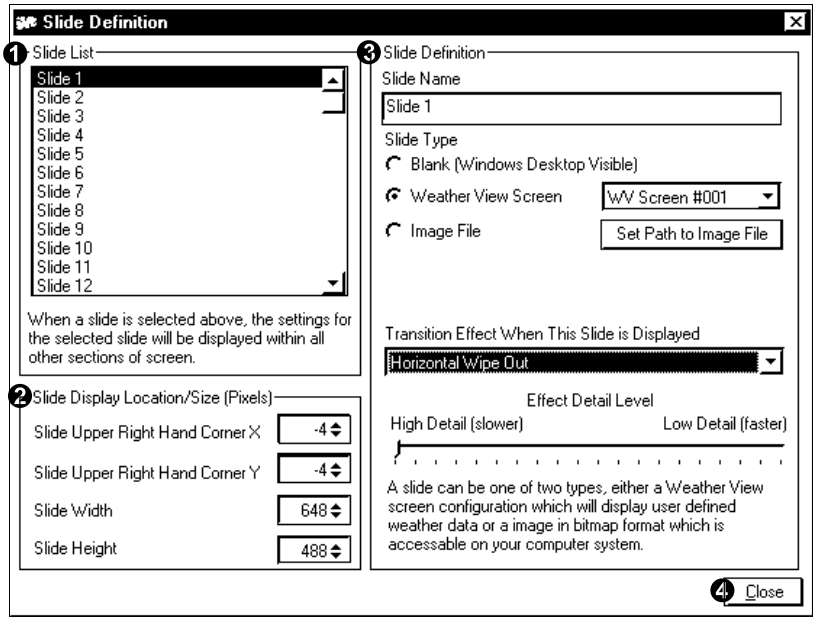
The descriptive text shown in this box changes as the cursor moves over each box and variable.

Shadow Color.	Sets the color of drop and block shadows when Drop or Block Shadow Text 3D style is selected.
Text Outline Color.	Sets the color used to outline text when an Outline Text 3D style is selected.
Gradient Start Color.	Sets the starting color when a Gradient Text Style is in use.
Gradient Ending Color.	Sets the ending color when a Gradient Text Style is in use.
3D Color 1.	For text 3D styles "Raised with Light Shading" and "Raised with Heavy Shading", text 3D Color 1 is the upper highlight color. For text 3D styles "Inset with Light Shading" and "Inset with Heavy Shading", Text 3D Color 1 is the lower highlight color.
3D Color 2.	For text 3D style "Raised with Light Shading", text 3D Color 2 is the lower highlight color. For text 3D style "Inset with Light Shading", Text 3D color 2 is the upper highlight color.
Drop Shadow Offset Along X Axis.	Set the number of pixels along the X axis that the drop shadow offsets from the text. Positive values shift the drop shadow right, while negative values shift the drop shadow left.
Drop Shadow Offset Along Y Axis.	Set the number of pixels along the Y axis that the drop shadow offsets from the text. Positive values shift the drop shadow down, while negative values shift the drop shadow up.
Block Shadow Offset.	Set the number of pixels along the Y axis that the block shadow offsets from the text. Positive values shift the block shadow down, while negative values shift the block shadow up.

Slide Definition

Applies to: ❑ Basic ❑Home ❑Standard ❑Professional ☑Broadcast

Used for: Define slides for Slide Shows of images. The images can be Weather View Screens and user defined images. 100 slides can be defined for use in up to 20 different slide shows.

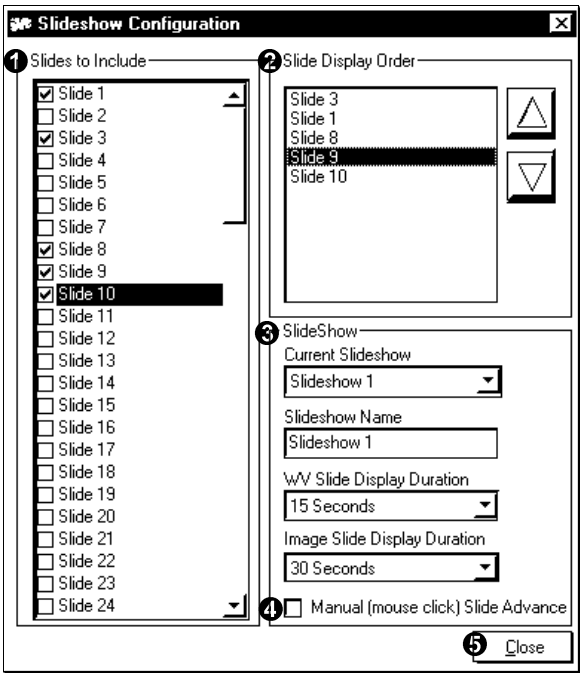


Configuration Steps	
❶ Slide List	Select a Slide by clicking on the item. The settings for the slide display within
❷ Slide Display Location/Size	Set the Slide Display Location and size. Either enter values or use the spin buttons to set the values. To completely fill a 640X 480 screen and hide the border around the display. Set the Location/Size starting to: -4 -4 648
❸ Slide Definition	A. If desired, enter a descriptive Slide Name. B. Select the Slide Type: Blank, Weather View Screen or Image File. C. If Weather View 32 Screen is chosen, select the screen from the drop down list. D. If Image File is chosen, click on Set Path to Image File and browse to the file location. E. Select the Transition Effect to use when this slide is displayed. See the list on page # for descriptions of the Transition Effects. F. Move the Effect Detail Level slider to the speed desired for the transition effect. Drag and drop the pointer to the desired position.
❹ Close	Close to finish this process or go to step 1 to define another slide.

Slide Show Configuration

Applies to: ❑ Basic ❑Home ❑Standard ❑Professional ☑Broadcast

Used for: Configure Slide Shows of images. The images can be Weather View Screens and user defined images. 100 slides can be defined for use in up to 20 different slide shows. The Slides should be defined before configuring Slide Shows.

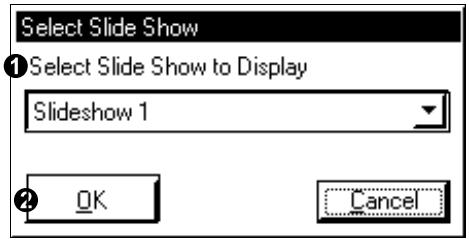


Configuration Steps	
If any Slide Shows are already configured, choose the Active Slide Show from the Current Slide Show drop down box.	
❶ Slides to Include	Check mark the slides to include.
❷ Slide Display Order	Select Slide, then click on the up or down arrow. The Slide will move up or down by one position at a time.
❸ Slide Show	A. Select Slide Show if this is the first time use of this screen. B. In the Slide Show Name box, enter a descriptive name of the Slide Show, if desired. C. In the WV32 Slide Display Duration window choose the time in seconds to display each slide from the drop down list. D. In the Image Slide Display Duration window choose the time in seconds to display each slide.
❹ Manual Slide Advance	Check mark this box to enable Manual Slide Advance. This overrides the Display Duration. This feature helps to preview the Slide Show before
❺ Close	Close to finish this process or go to step 1 to define another Slide Show.

Select Slide Show

Applies to: ❑ Basic ❑Home ❑Standard ❑Professional ☑Broadcast

Used for: Start configured Slide Shows. Slides must be defined and Slide Shows configured before starting shows. Access this screen from the Slide Show menu on the Startup Screen. Select Begin Slide Show.



Configuration Steps	
❶ Select Slide Show	From the drop down list box select a Slide Show.
❷ OK	Click OK to begin the show.

Transition Effects	
No Effect	The image appears instantly.
Left to Right	Thimage wipes left to right.
Right to Left	The image wipes right to left.
Top to Bottom	The image wipes top to bottom.
Bottom to Top	The image wipes bottom to top.
Horizontal Wipe In	The image wipes in horzontally from the left and right sides simultaneously.
Horizontal Wipe Out	The image wipes out horizontally starting from the center.
Vertical Wipe In	The image wipes in vertically from the top and bottom simultaneously.
Vertical Wipe Out	The image wipes out vertically starting from the center.
Slide Up	The image slides from the bottom to the top.
Slide Down	The image slides from the top to the bottom.
Push Up	The image slides from the bottom to the top, pushing the current image up as it
Push Down	The image slides from the top to the bottom, pushing the current image down as it
Diagonal TL - BR	The image wipes diagonally from the top left corner to the bottom right corner.
Diagonal BL - TR	The image wipes diagonally from the bottom left corner to the top right corner.
Diagonal TR - BL	The image wipes diagonally from the top right corner to the bottom left corner.
Diagonal BR - TL	The image wipes diagonally from the bottom right corner to the top left corner.
Double Diag. TL - BR	The image wipes diagonally simultaneously from the top left corner to the bottom
Double Diag. TR - BL	The image wipes diagonally simultaneously from the top right corner to the bottom
Diagonal Out TL-BR	The image appears diagonally simultaneously from the center to the top left corner
Diagonal Out TR-BL	The image appears diagonally simultaneously from the center to the top right corner
Diagonal Quad.	The image wipes diagonally from all four corners.
Explode	The image explodes from the center to the outer edges.
Implode	The image implodes from the outer edges to the center.
Zoom Out	The image zooms out from the center.
Zoom In	The image zooms in from the outer edges.
Corners Out	Corners of the image expand from the center out.
Horiz. Interlace	Alternating bars proceed simultaneously from the left side of the image to the right
Vert. Interlace	Alternating bars proceed simultaneously from the top of the image to the bottom and
Horiz. Double Pass	Alternating bars proceed from left to right, then from right to left.
Vert. Double Pass	Alternating bars proceed from top to bottom, then from bottom to top.

Transition effects continue on the next page.

Transition Effects	
Random Lines	The image wipes using random lines.
Horizontal Blind	The image displays like a horizontal blind opening.
Vertical Blind	The image displays like a vertical blind opening.
Double Blind	Horizontal and vertical blind combined.
Swirl In	The image swirls in from the outer edges to the center.
Swirl Out	The image swirls out from the center to the edges.
Random Block	The image is displayed using random blocks.
Checkerboard	Two pass wipe from top to bottom using a checkerboard effect.
Vert. Double Wipe	Half of the image wipes from the top to the bottom while the other half wipes from the
Horiz. Double Wipe	Half of the image wipes from left to right while the other half wipes from right to left.
Kaleidoscope	The image is split in four quadrants. The top left quadrant is displayed from the center to the top. The top right quadrant is displayed from the top to the center. The bottom left quadrant is displayed from the bottom to the center. The bottom right quadrant is
Double Wipe Out	Half of the image wipes simultaneously from the center to the left and right sides, then
Double Wipe In	The image wipes simultaneously from the top and bottom towards the center until half of the image is displayed, then the image wipes simultaneously from the left and right sides
Vert. Squash	The image appears simultaneously from the top and bottom while squashing the previous
Vert. Pull	The image appears to be pulled vertically from the center while pushing the previous
Horiz. Squash	The image appears simultaneously from the left and right while squashing the previous
Horiz. Pull	The image appears to be pulled horizontally from the center while pushing the previous
Drip	The image builds upon itself starting at the bottom.
Slide Left	The image slides from right to left.
Slide Right	The image slides from left to right.
Push Left	The image slides from right to left, pushing the current image left as it proceeds.
Push Right	The image slides from left to right, pushing the current image right as it proceeds.
Double Diag. Up	The image wipes diagonally simultaneously from the bottom corners to the top corners.
Double Diag. Down	The image wipes diagonally simultaneously from the top corners to the bottom corners.
Double Diag. Left	The image wipes diagonally simultaneously from the right corners to the left corners.
Double Diag. Right	The image wipes diagonally simultaneously from the left corners to the right corners.
Random Bars Up	The image displays with random bars from bottom to top.
Random Bars Down	The image displays with random bars from top to bottom.
Random Bars Left	The image displays with random bars from right to left.
Random Bars Right	The image displays with random bars from left to right.

Transition effects continue on the next page.

Transition Effects	
Sparkle Up	The image displays with random blocks from bottom to top.
Sparkle Down	The image displays with random blocks from top to bottom.
Sparkle Left	The image displays with random blocks from right to left.
Sparkle Right	The image displays with random blocks from left to right.
Clockwise	The image displays like the second hand on a clock.
Counterclockwise	The image displays like a second hand on a clock that moves counterclockwise.
Semicircle-RL	The image displays like a windshield wiper moving from right to left.
Semicircle-LR	The image displays like a windshield wiper moving from left to right.
Semicircle-In	The image displays like two windshield wipers. One moves from left to right and the other moves from right to left and they meet in the center.
Semicircle-Out	The image displays like two windshield wipers. One moves from left to right and the other moves from right to left and they start in the center.
Double Clockwise	The image displays like two second hands on a clock.
Circular Quad	The image displays like four second hands on a clock.
Diagonal Slide TL-BR	The image slides diagonally from top left to bottom right.
Diagonal Slide TR-BL	The image slides diagonally from top right to bottom left.
Diagonal Slide BL-TR	The image slides diagonally from bottom left to top right.
Diagonal Slide BR-TL	The image slides diagonally from bottom right to top left.
Horiz. Double Slide	The top half of the image slides from right to left and the bottom half simultaneously slides from left to right.
Vert. Double Slide	The left half of the image slides from bottom to top and the right half simultaneously slides from top to bottom.
Rotate Left -	The image stretches from left to right.
Rotate Right	The image stretches from right to left.
Rotate Top	The image stretches from top to bottom.
Rotate Bottom	The image stretches from bottom to top.
Horiz. Center Stretch	The image stretches horizontally from the center.
Vert. Center Stretch	The image stretches vertically from the center.
Horiz. Stretch to Center	The image stretches horizontally simultaneously from the left and right, meeting in the center.
Vert. Stretch to Center	The image stretches vertically simultaneously from the top and bottom, meeting in the center.
Blocks TB	Rows of blocks display from top to bottom.
Blocks BT	Rows of blocks display from bottom to top.
Blocks LR	Rows of blocks display from left to right.
Blocks RL	Rows of blocks display from right to left.

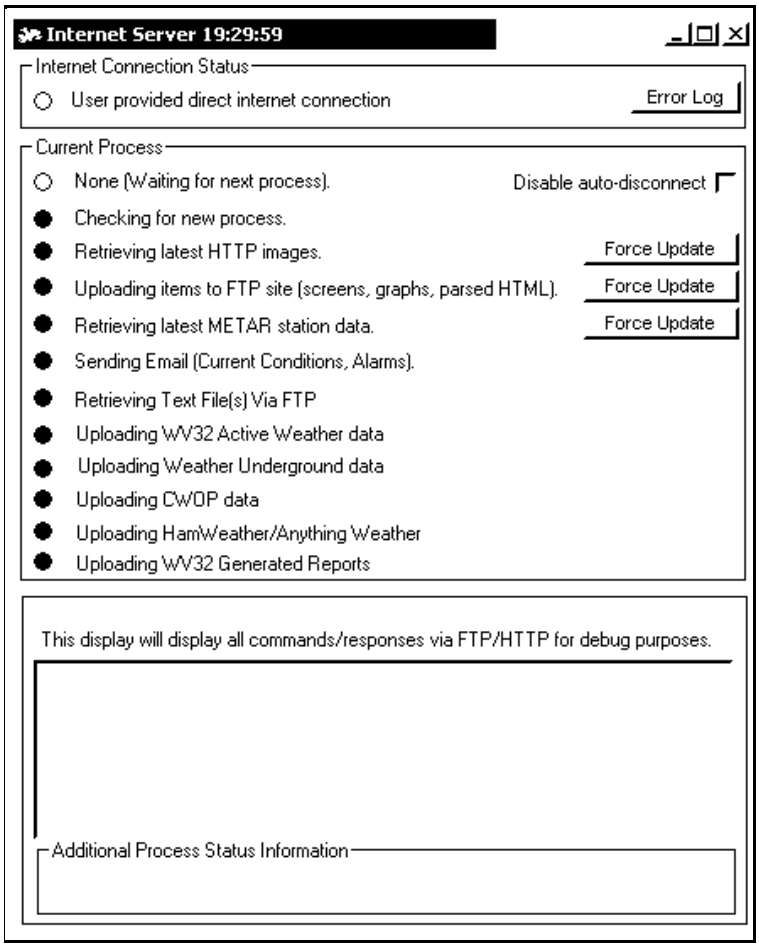
Transition effects continue on the next page.

Transition Effects	
Growing Blind TB	Growing blinds display from top to bottom.
Growing Blind BT	Growing blinds display from bottom to top.
Growing Blind LR	Growing blinds display from left to right.
Growing Blind RL	Growing blinds display from right to left.
Roll TB	The image rolls from top to bottom.
Roll BT	The image rolls from bottom to top.
Roll LR	The image rolls from left to right.
Roll RL	The image rolls from right to left.
Double Pass Left to Right	Vertical bands of the image are displayed in two passes from left to right.
Double Pass Right to Left	Vertical bands of the image are displayed in two passes from right to left.
Double Pass Top to Bottom	Horizontal bands of the image are displayed in two passes from top to bottom.
Double Pass Bottom to Top	Horizontal bands of the image are displayed in two passes from bottom to top.
Double Pass Horiz. Wipe In	Vertical bands of the image are displayed in two passes moving simultaneously from the left and right edges to the center.
Double Pass Horiz. Wipe Out	Vertical bands of the image are displayed in two passes moving simultaneously from the center to the left and right edges.
Double Pass Vert. Wipe In	Horizontal bands of the image are displayed in two passes moving simultaneously from the top and bottom edges to the center.
Double Pass Vert.. Wipe Out	Horizontal bands of the image are displayed in two passes moving simultaneously from the center to the top and bottom edges.
Double Pass Implode	Rectangular bands of the image are displayed in two passes moving simultaneously from the outer edges to the center.
Double Pass Explode	Rectangular bands of the image are displayed in two passes moving simultaneously from the center to the outer edges.
Horiz. Interlace Slide	Horizontal bands of the image slide in horizontally from the left and right edges.
Vert. Interlace Slide	Horizontal bands of the image slide in vertically from the top and bottom edges.

Internet Server

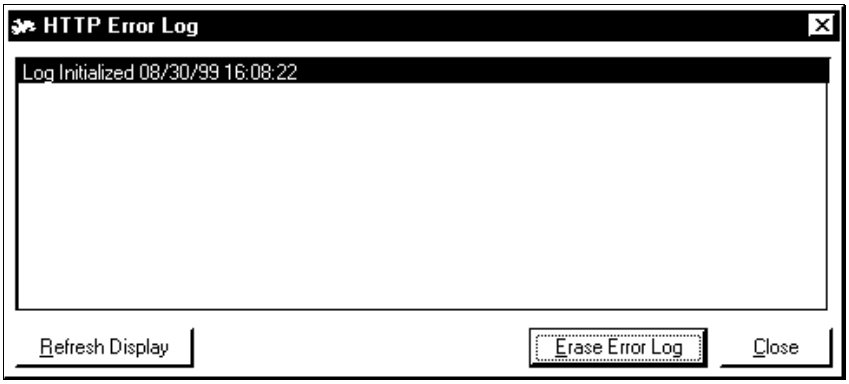
Applies to: ❑ Basic ❑Home ☑Standard ☑Professional ☑Broadcast

Used for: Observing processes or events performed by Weather View 32 involving the internet as they occur. This information is very helpful in determining if configured retrievals, uploads or email are occurring as configured. If a Process Event or Email fails to occur or the results are different than expected, observing this window and interpreting the information presented can assist the user in diagnosing and analyzing the problem. Whenever the Real-Time Monitoring Screen is active, this window will also be open.



The black and white circles in the Internet Server window are green and red. When a 'light' is green, the process is occuring and the Process Status box displays all commands and responses.

To view any of the Error logs, click on the respective Error Log to review the available information. An example is shown below.

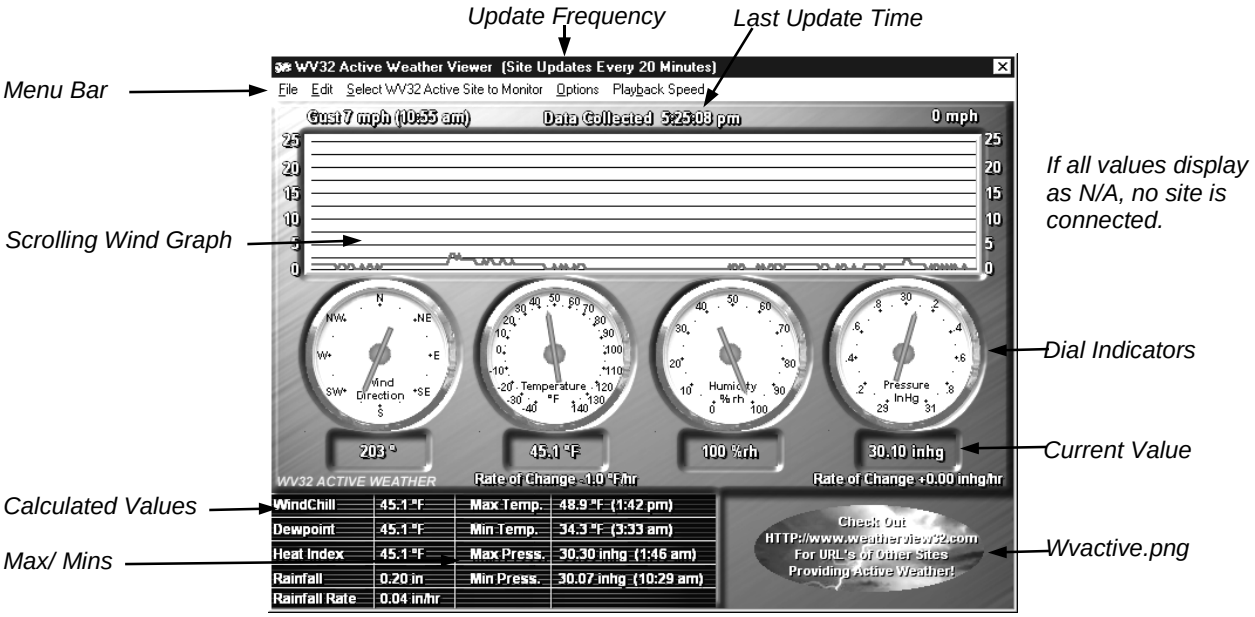


Active Weather Viewer

Applies to: ❑ Basic ❑Home ☑Standard ☑Professional ☑Broadcast

Used for: Active Weather allows visitors to your web site to see the weather in near real-time with moving dials and indicators. The connected station uploads 1-second resolution data and the daily max/mins to the web site. The data updates on the Active Viewer every second using a scrolling wind speed graph, dials and text. Active Weather automatically detects the station's upload frequency and downloads based on that frequency.

Setup	1. Download the Active Weather Viewer at http:/www.weatherview32.com/activesetup.exe 2. Run activesetup.exe on your computer. 3. Click on Edit, Edit/Edit HTTP Server Path. Enter site ID's and URL of any sites displaying the WV32 Active logo. See the example of the WV32 Active logo below.
Using	1. Connect to the internet. 2. Start the Active Weather Viewer. 3. Click on Select WV32 Active Site to Monitor. 4. Select a site from the list. 5. Active Weather connects to the site and begins downloading data. 6. The display becomes active as the scrolling wind graph replays the weather. Review the example below. 7. Click on File, Exit to close Active Weather.
Modifying	▪ The default units of measure are English. To use Metric units, click on Options, Metric units. ▪ The Active Weather viewer is set to playback data in real-time. To view the data faster, click on Playback Speed, and then select a different speed.



WV32 Active

Look for this logo on sites supporting Weather View 32 Active Viewer!