

Weather Message

Release Notes V3.2

Version 3.2 released 10-14-2007

All Programs

1. Includes the latest tcp/ip components.
2. Changed the setup screens for each program that had an automatic startup option. The programs now verify that the user has appropriate permissions before allowing changes to this option. The previous versions would crash with a security error if the user did not have appropriate permission.
3. Updated programs to remove some unneeded code. This will allow some programs to load a little faster and reduce the size of the exe's.

Weather Message Server

1. Added a new polygon class to determine if a point is inside a polygon or the distance from the point to a polygon.
2. The data sent to the map now includes a zone or fips indicator.
3. Added code to enable the polygon area alarm.
4. The Server will now send the polygon information to the clients.
5. Made some general optimizations to the decode Metar routine.
6. Changes to reduce disk access.
7. Added initial support for running as a service.
8. Changes to implement interprocess communications with WxControl.
9. Changes to optimize the memory used by county names.
10. Reduced the security on the named pipe used for interprocess communication. It will now allow everyone to connect.
11. Corrected an issue that would cause an undefined error message when a file is locked.
12. Changes to allow for multiple states in an alarm. This is for state only alarms.
13. General optimizations for string searching.
14. Added an Alarm File box to the main window. This box will display the alarm file that

is currently loaded.

15. Now sends the longitude and latitude polygon data to the map client.

16. Corrected a problem with decoding multi-line polygon data.

17. Added additional information to the data packet sent to the clients. This change will require any version 3.2 beta maps to be updated to the current beta. If the maps are not updated, the zone and marine layers will not be used.

Weather Message Setup

1. The alarm setup window now has the button “Set Area”. This button will launch the Area Setup window. This window can be used to enter the latitude, longitude and radius for an area.
2. Updated the County_Z.dat file with the latest zones published by the NWS. There were numerous changes and additions.
3. The Support Setup, Options windows has a new tab titled Service. This tab is used to setup Weather Message Server as a service.
4. Changed the paging services setup to allow a zero maximum paging size. This will indicate no limit. If you are using TAP protocol, the program will require you to enter a number between 1 and 1000.
5. The paging services setup will now check to see if a paging service is being used by a paging group before allowing it to be deleted.
6. The paging services setup will only validate the retry minutes for SNPP, WCTP, and HTTP protocols.
7. The paging group setup will now validate the message size to make sure that it does not exceed the size setup for the service provider selected.
8. When starting the Weather Message Service, the setup program will now check to see if the server is already running in application mode. If it is running, the program will attempt to stop the server before starting the server as a service.
9. Added the new MWW, Marine Weather Message, product. (The product.dat file must be updated manually.)
10. The Data Alert options screen now has an option to execute an external program when a data alert occurs.
11. The password field is now masked.

WxByte

1. Made some general optimizations in the program.

2. Changes to make the processing code agree with WxIngest.
3. Changes to reduce disk access.

WxIngest

1. Made some general optimizations in the program.
2. Changes to make the processing code agree with WxByte.
3. Changes to reduce disk access.

WxWW2000

1. Made some general optimizations in the program.

WxMap

1. Changed the Alarm Colors tab to Product Colors. Remove the items from the Alarm Colors tab and combined them with the other colors. This now allows you full control to position and control products. The Other Colors tab was retained to setup a few miscellaneous colors. You can add a product by entering it directly in the grid or use the Add Product button. A right click context menu has been added to allow the user to easily change or delete a product.
2. Updated the USMap shape files (AWIPS Counties) to the latest version on the NWS website.
3. Added support for the NWS Zones and Marine layers. The setup screen's Map Base tab has an option to enable or disable these options. You will need to download the latest layers from the website to use the layers. [Map Layer Installer](#)
4. The Settings tab now allows you to enter the password used for setup and exit.
5. Changes to correct a problem with the map position when you minimize and restore the map.
6. Updated the map component from version 8.6 to 8.8.
7. Added the Small Map Legend option to the settings tab. This option will reduce the size of the button in the map legend.
8. Added support for drawing storm based warning polygons. The Map menu now has an option to turn the polygons on and off. The Setup, Map Base tab has an option to select the polygon style.
9. Added support for a third map layer. The website's map layer download now has an optional rivers layer.
10. The password field is now masked.

WxMcli

1. The Settings tab now allows you to enter the password used for setup and exit.
2. The password field is now masked.

WxLoader

1. The Separator tab now works with the short message format.
2. The Task tab now has the option Combine Like Products. This option is checked by default and represents the current operation of the program. Unchecking this option causes the program to stop grouping products.

WxRadar

1. Added additional debugging information in the debug file.
2. Made some general optimizations in the program.

WxPost

1. Changes to allow no maximum message size for paging groups.

WxControl

1. New program to monitor Weather Message Server when it runs as a service. It will also allow you to monitor a remote Weather Message Server regardless of whether it is running as a service.