



Met Alert Tool (MAT)



Parameter Name	Parameter Value
Site Code	
Min Angle	0
Max Angle	30
Alert When	Outside
Alert Severity Level	WARNING

Active Alerts		
Alert Type	Severity Level	Alert Description

Events				
Alert Type	Timestamp	Severity Level	Event Description	Event Details

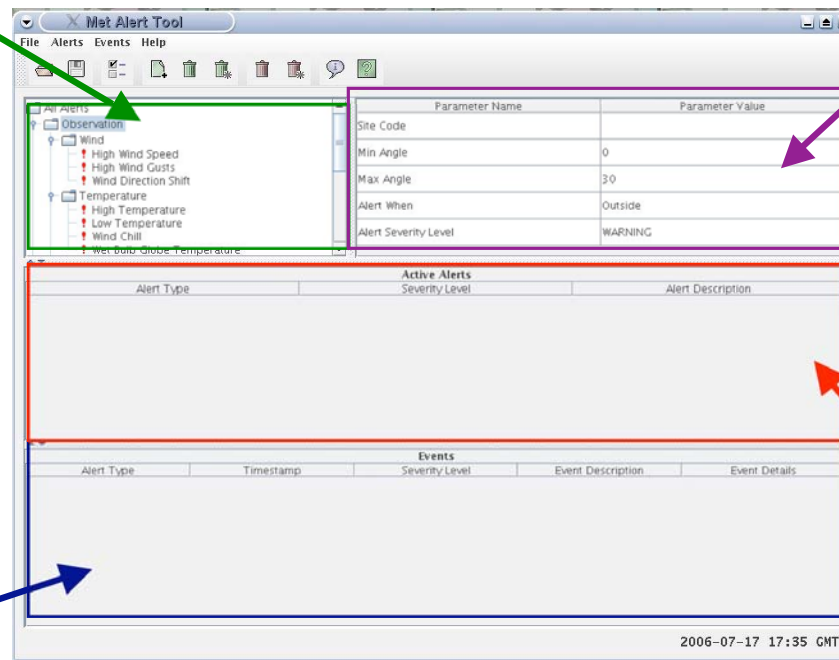
2006-07-17 17:35 GMT



The GUI

Alert Types List – The list of weather conditions that MAT can alert on.

Parameter List – Each alert type has a list of parameters that need to be set.







Events List – An event is triggered when the conditions of an active alert are met. This list contains a record of all of the events that have occurred since the current instance of MAT was started.

Active Alerts List – An instance of an alert type, with specific values for the parameters.



Weather Alerts

Currently MAT is configured to alert on many types of weather events:

-  Wind
-  Precipitation
-  Lightning
-  Temperature

***If there are additional types of alerts that you would like to have added to MAT, please let us know. ***



Weather Alert Types

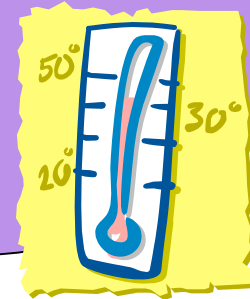


Wind

- Observed and Forecast High Wind Speed
- High Wind Gusts
- Wind Direction Shift

Temperature

- Observed and Forecast High & Low Temperature
- Wind Chill
- WBGT



Lightning



- Lightning Box
- Lightning Circle
- Lightning Distance

Precipitation




- 24-Hour Precipitation
- Total Precipitation



Adding an Active Alert




- Select the **High Wind Gusts** alert type from the alert types list.
- Set the parameters:
 - Select the **Site Code** *dpg_s1* from the site code list.
 - Enter *10* for the **Threshold**.
 - Set the **Alert Severity Level** to *WARNING*.
- Choose **Add active alert** from the **Alerts** menu, or click on the  icon on the toolbar.



Removing an Active Alert




- Select the active alert from the active alerts list.
- Choose **Remove active alert** from the **Alerts** menu, or click on the  icon on the toolbar.
- Click **Yes** on the confirmation dialog to remove the alert.



Email Notifications




- Choose **User Preferences** from the **File** menu, or click the  icon on the toolbar.
- Click on the **Email** tab on the user preferences dialog.
- Check **Enable email notifications**.
- Enter a valid email address into the text field, and then click on the **Add** button.
- Click **OK**.



The Event Log File




- To set up an event log file, choose **User Preferences** from the **File** menu, or click the  icon on the toolbar.
- Click on the **Event File** tab.
- Check **Enable event logging**.
- Enter the complete path to the log file into the text field.
- Click **OK**.



Saving Active Alerts




- To save the active alerts to a file, choose **Save Alerts** from the **File** menu, or click on the  icon on the toolbar.
- Enter a filename into the save dialog, and click **Save**.
- All of the alerts in the active alerts list will be saved to the file.



Loading Active Alerts



- To load active alerts from a file, choose **Load Alerts** from the **File** menu, or click on the  icon on the toolbar.
- Find the file in the open dialog, and click **Open**.
- The alerts in the file will be added to the active alerts list.



More information



For more information, consult the online documentation:

<http://www.4dwx.org/4dwx/documentation/online/mat/mat.html>