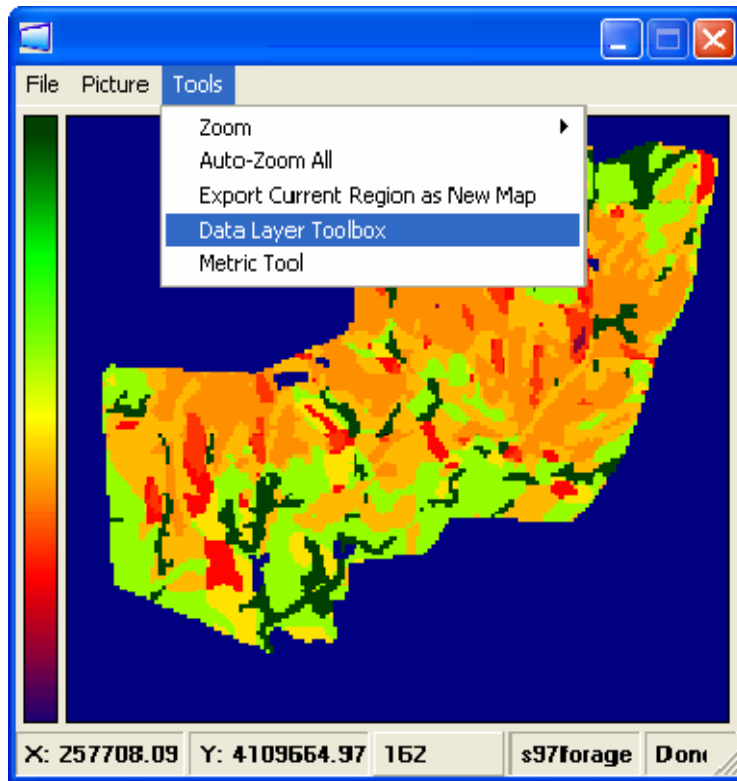
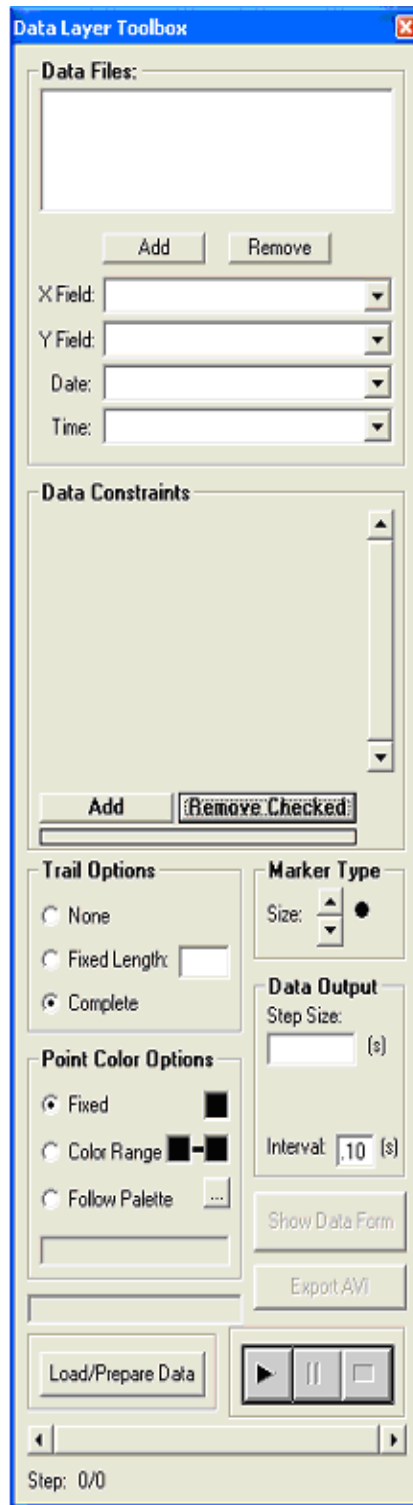


Data Layer Toolbox

The KRESS Viewer also has an application called the Data Layer Toolbox. This allows the user to import time-dependent data and view the data on the maps in the viewer. This is accessed by clicking Data Layer Toolbox on the Tools menu.

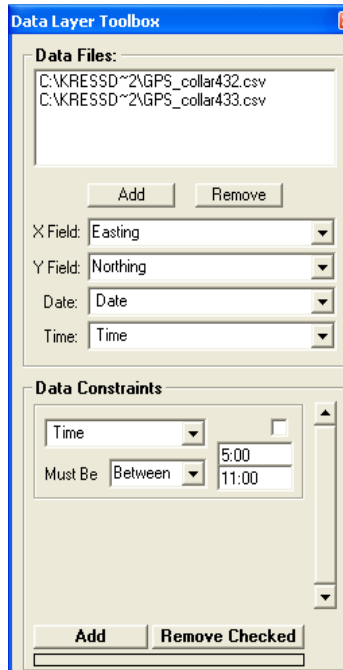


The time-dependent data files can be loaded by clicking the **Add** button under the **Data Files** frame. These data files must be CSV files. The user must then specify the columns corresponding to **X Field**, **Y Field**, **Date**, and **Time**.



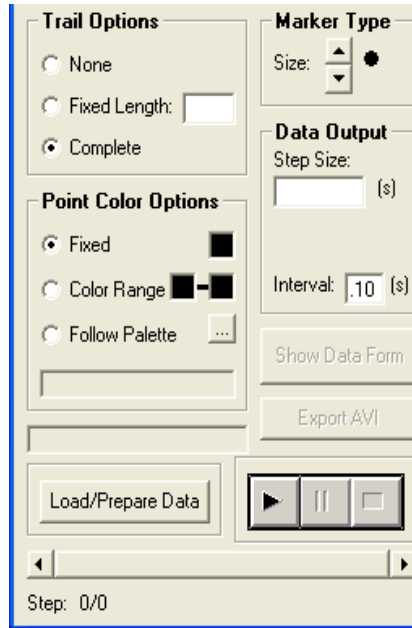
If multiple data files are being run at the same time, they must have identical column headings. Constraints can be placed on the data by clicking the **Add** button under the **Data Constraints** frame. The user can specify constraints by

choosing the column of data to use as a restraint and specifying if values must be greater than, less than, between, etc...



At this point, the user can click the **Load/Prepare Data** button to get the data ready for viewing. The viewing options will be adjusted after the data is loaded.

The program will automatically pick the largest step size that will still allow the user to see the data in true time. The user can specify the rate at which to view the data by entering a number in the **Interval** textbox. This interval will be the number of seconds per step.

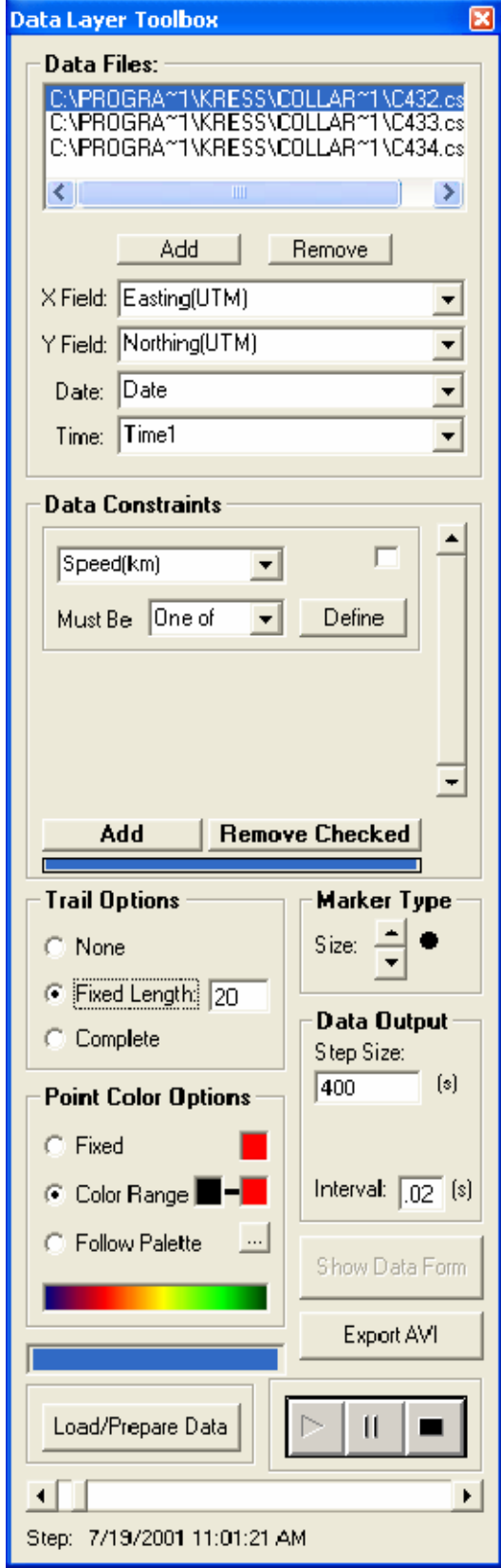


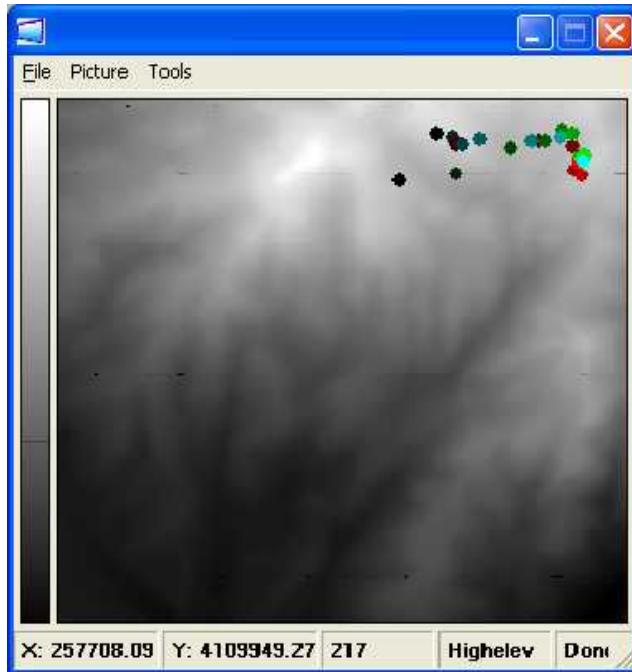
The color of the data points can be changed by choosing the data file and then clicking on the desired option under the **Point Color Options** frame. A fixed color will remain the same color for the entire time. The color can be chosen by clicking on the colored square to the right of the **Fixed** label. The **Color Range** option allows the user to specify two colors, by clicking on the squares, and the program will have the scale all the visible data points with the most recent as the first color going chronologically until the latest data point as the second color. The same can be done except with a palette by clicking the **Follow Palette** option button and designating a palette.

The size of the marker showing the data point on the map can be adjusted by clicking the up or down arrows under the **Marker Type** label. The type of trail left can be chosen from three options, each represented by an option button. The **None** button will have no trail, only the data point corresponding to the current time will be shown. The **Fixed Length** option will show a user designated number of steps. The user must type the number of sets into the textbox next to the **Fixed Length** option button.

Lastly, the **Complete** option will show every data point from the previous steps as well as the current one. This means at the end of the process, all the data points will be showing.

When everything is set, the user can press the forward arrow button to watch the data on the viewer. The graphic can be exported as an AVI file by clicking the **Export AVI** button.





Labels can be burned on the movie and shapefile overlays can also be added when the **Export AVI** button is selected. The form shown below is opened and the user can select the fields to be written on the screen. Shapefiles can also be added in the **Shapefile Overlay** window.

