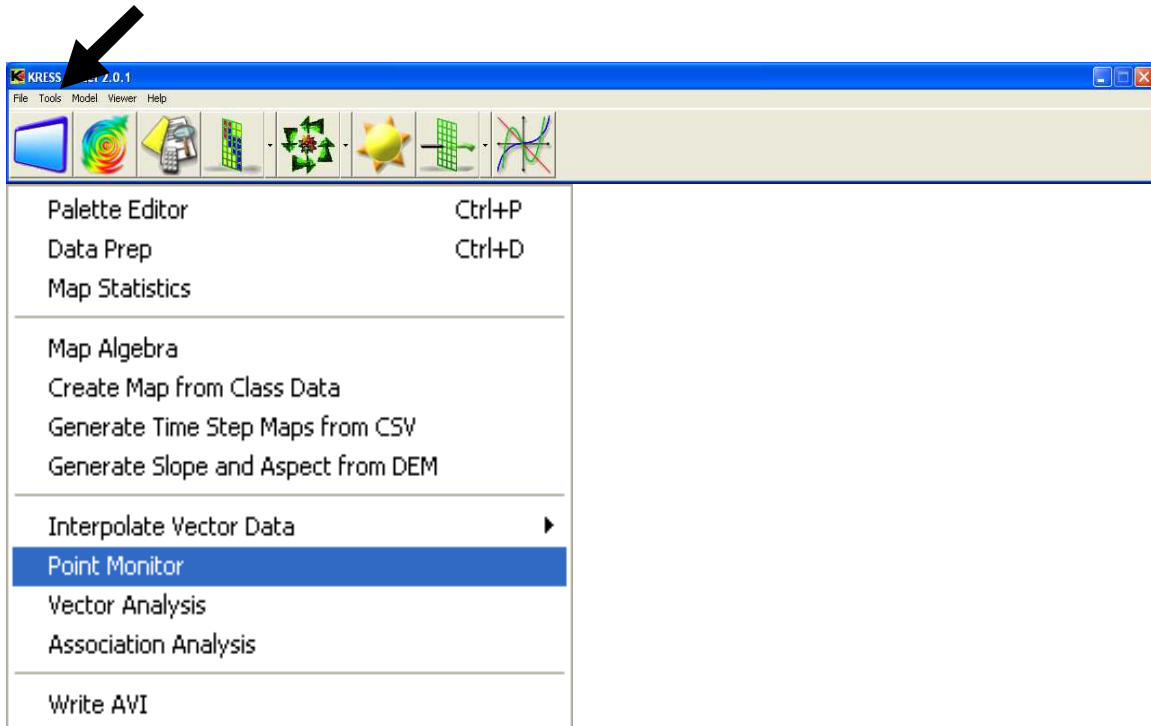


## Point Monitor

KRESS includes an application called the **Point Monitor**, accessible under the **Tools** menu. This is useful for comparing data from multiple maps at a single point.



Under the **Input** label, the user must browse for and select the folder containing the maps which will provide the data of interest. It should be noted that all the files in the directory will be used, so all the files to be included must be contained in the same directory. Once the folder has been selected, all the readable files will appear under the **Highlight the Reference File** label. Clicking on each of the maps will show a graphic image of that file on the right of the screen. Clicking on the graphic allows the user to designate which point is of interest. The specifications of that point can be found underneath the graphic. These tell the user the specific column number, row number, easting, and northing. Also important to note is that all the maps in the directory (being used by the point monitor) must be the same size so that the easting and northing of the point are the same on every map.

To output a file with the value of the selected point from each of the maps of interest, the user must select **Single Point**. They can then designate an output file name by clicking the “...” to the right of the **Filename** textbox. The **Value Field Header** textbox allows the user to give a meaningful name to the output

data. Thus, if the output is elevation data, the header might be elevation. The user can also specify an output prefix in the **Output Map Appended Prefix** textbox. This is useful when there are a series of outputs. Clicking **Go** will start the model.

Sometimes the point of interest is different on each map, in which case a CSV file is needed to tell the program which point on each map is of interest. To do this, the user must select the **Time Dependent** option button and browse for their CSV file by clicking on the **Specify CSV** button. Multiple points can be monitored by selecting more than one CSV file. Every CSV file selected will have its own point data kept separate from the other CSV files. Time dependent analysis assumes that the maps differ based on time as well. The user must designate which maps represent which times by clicking the **Set Map Times** button. The user will be prompted to supply the start time and time interval between each of the maps. Everything else is the same as a single point monitoring system. The **Go** button runs the module.

