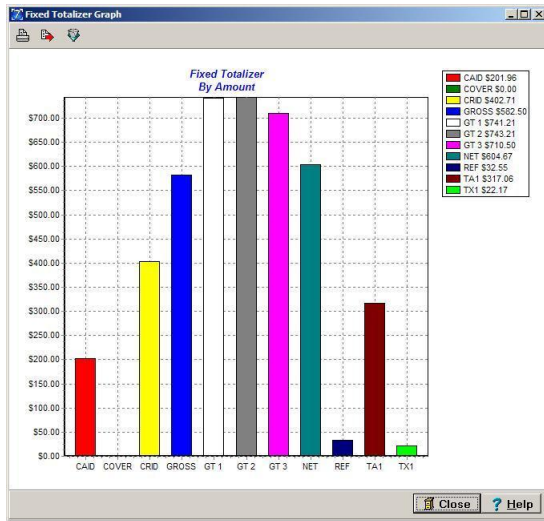


# Report Area Graphical Display Feature



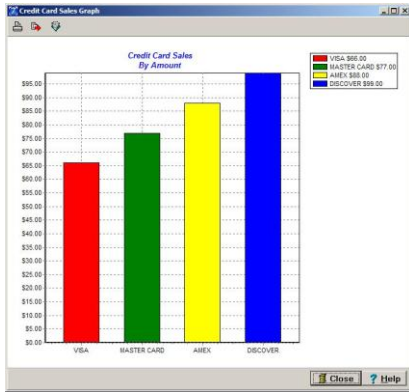
The Graphical Display feature above is available only on some reports in V7. Additional reports have been added in V7.3.

Poll Id	Machine Id	Report Name	Poll Date	Ecr Dal
122	Casio 6600 II	Fixed Totalizer	9/14/2009 8:04:31 PM	9/14/21
123	Casio 6600	Fixed Totalizer	9/14/2009 11:34:00 A	9/14/21
124	Casio 6600	Free Function	9/14/2009 11:34:00 A	9/14/21
125	Casio 6600	PLU	9/14/2009 11:34:00 A	9/14/21
126	Casio 6600	Department	9/14/2009 11:34:00 A	9/14/21
127	Casio 6600	Hourly Sales	9/14/2009 11:34:00 A	9/14/21
128	Casio 6600	Monthly Sales	9/14/2009 11:34:00 A	9/14/21
139	Casio 6600	Fixed Totalizer	9/14/2009 11:34:00 A	9/15/21
140	Casio 6600	Free Function	9/14/2009 11:34:00 A	9/15/21
141	Casio 6600	PLU	9/14/2009 11:34:00 A	9/15/21
142	Casio 6600	Department	9/14/2009 11:34:00 A	9/15/21
143	Casio 6600	Hourly Sales	9/14/2009 11:34:00 A	9/15/21
144	Casio 6600	Monthly Sales	9/14/2009 11:34:00 A	9/15/21
145	Casio 6600	Fixed Totalizer	9/14/2009 11:34:00 A	9/16/21
146	Casio 6600	Free Function	9/14/2009 11:34:00 A	9/16/21
147	Casio 6600	PLU	9/14/2009 11:34:00 A	9/16/21
148	Casio 6600	Department	9/14/2009 11:34:00 A	9/16/21
149	Casio 6600	Hourly Sales	9/14/2009 11:34:00 A	9/16/21
150	Casio 6600	Monthly Sales	9/14/2009 11:34:00 A	9/16/21
157	Casio 6600	Hourly Sales	11/6/2009 10:25:39 A	3/3/201
158	Casio 6600	Cashier/Clerk	11/6/2009 10:25:44 A	3/3/201

To create a graphical display, first access the Reports Area by clicking on the **Reports** button on the menu on the left side of the screen. Then select a report from the grid listing and click the **Show Graph** button (in the red box) on the toolbar.

1. **Show Graph** 

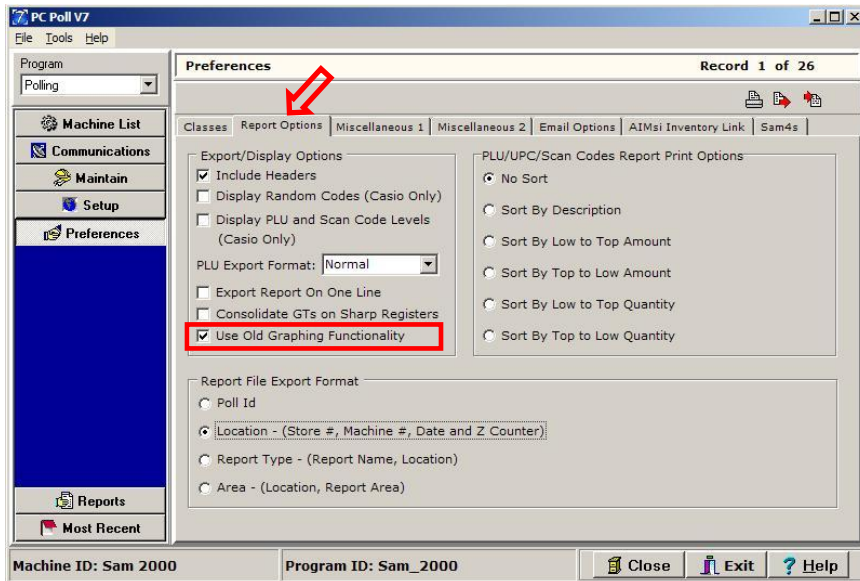
Click the following link to view an overview of the toolbar see then **Report Area Toolbar** item in the Help Files.



If the report supports a graphical display, then a popup window with the graph will appear as on the left above. If a graphical display is not supported, then the user will get the popup message above right, informing them that the report selected does not support a graphical display: Click **OK** to pick another report.

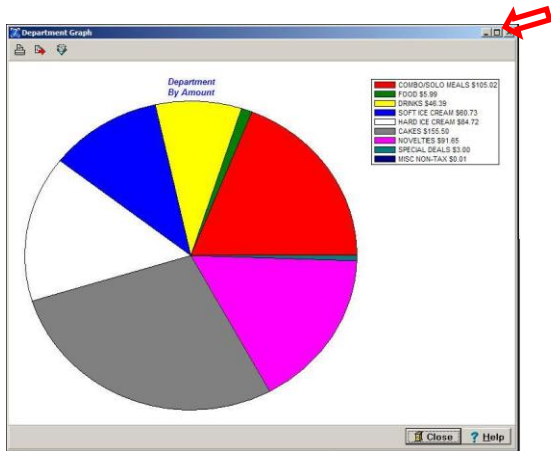
V7.3 currently supports three different types of graphical displays, bar graph, horizontal bar graph, and pie chart. The bar graphical displays are used on reports such as the Hourly Sales report while pie charts are used on reports such as the Daily Net Sales report.

## Using older software version graphing functionality



Graph Functionality from older versions of the software is still available in V7.3. From the menu on the left click on **Preferences** then the **Report Options** tab. Check the **Use Old Graphing Functionality** option. Return to the Reports Area by clicking on **Reports** in the left menu. *Note: The V7.3 graphing options apply to more reports. Prior versions of the polling software only supported a limited number of reports.*

## Version 7.3 Graphing Menus and Options



The graph screen can be made larger to see more detail by clicking on and dragging the edges of the screen or by using the **Maximize** button on the top right of the screen which will expand the graph size to fill the user's monitor screen.

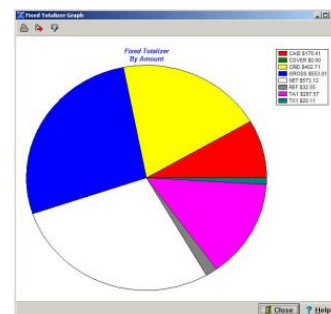
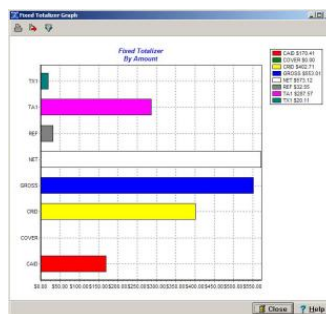
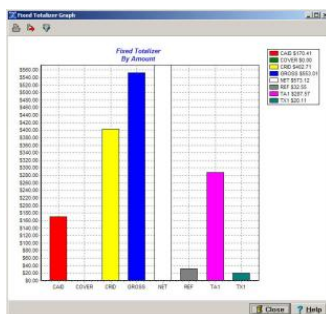
## Graph Drop-down Menu

To view the drop-down menu for graphs, right click with the cursor on top of the default graph. The graph drop-down menu does not appear unless the Graph Functionality from older versions of the software is turned off under **Preferences** on the left menu then on the **Report Options** tab. Un-check the **Use Old Graphing Functionality** option.

### Graph Type



By right clicking with the cursor on top of the default graph, the menu above will open giving the user more options for viewing the graphs.

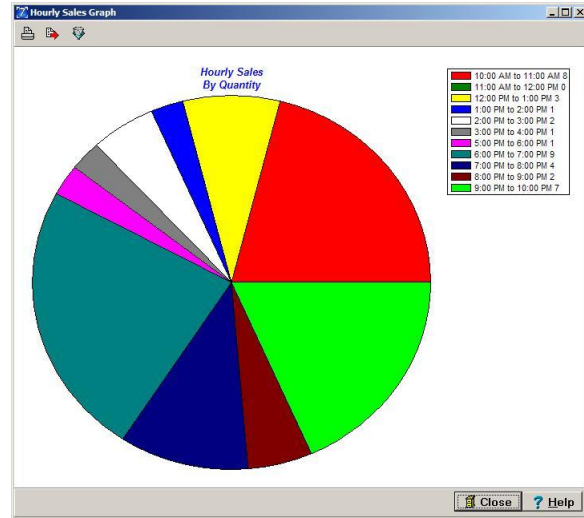
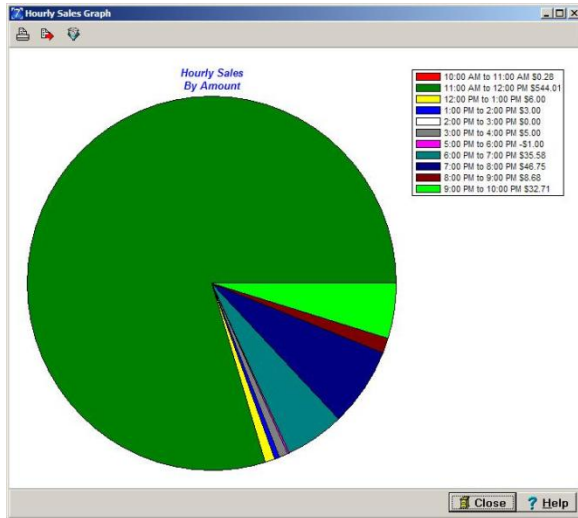


The first graph is the bar graph, the second is the horizontal bar graph, and the third is the pie chart.

## Graphed Item



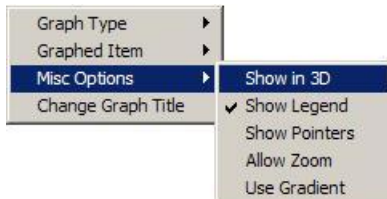
The graphs can be viewed by Amount or Quantity.



By choosing **Graphed Item** on the drop-down menu, then either **Graph by Amount** or **Graph by Quantity** the user will open the graph on the left above which is the Hourly Sales By Amount or the graph on the right is the Hourly Sales By Quantity. Multiple graph options allow the user to see their sales data from different perspectives.

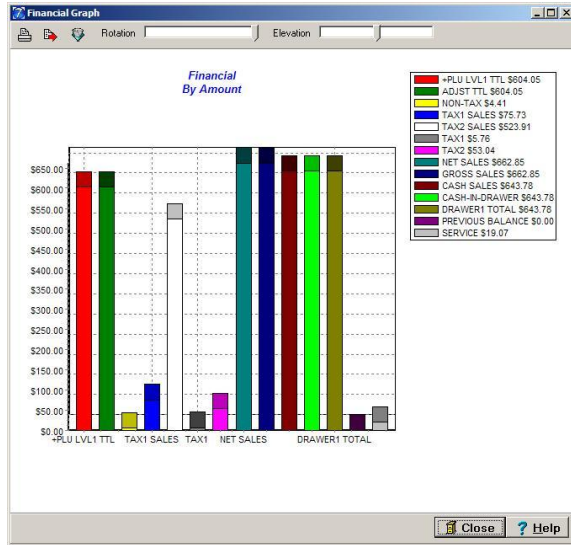
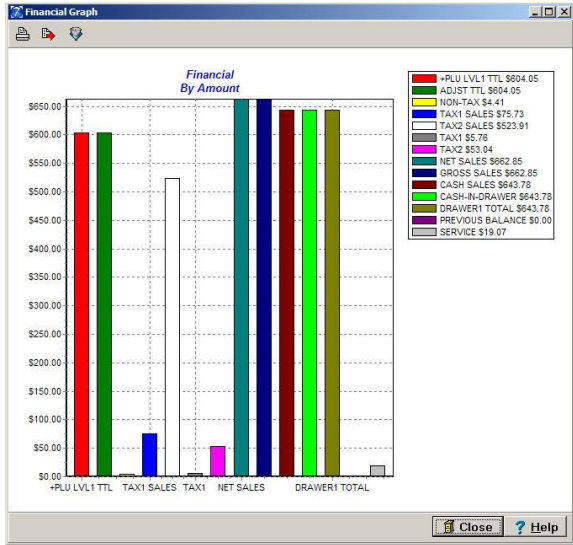
## Misc Options

The Misc Options menu item contains Show in 3D, Show Legend, Show Pointers, Allow Zoom, and Use Gradient options.



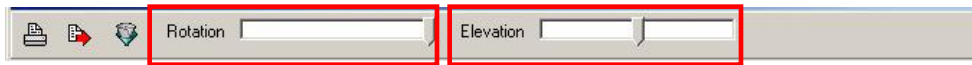
## Show in 3D

The **Show in 3D** option renders the chart in three dimensions and allows for rotation and elevation of the graph.

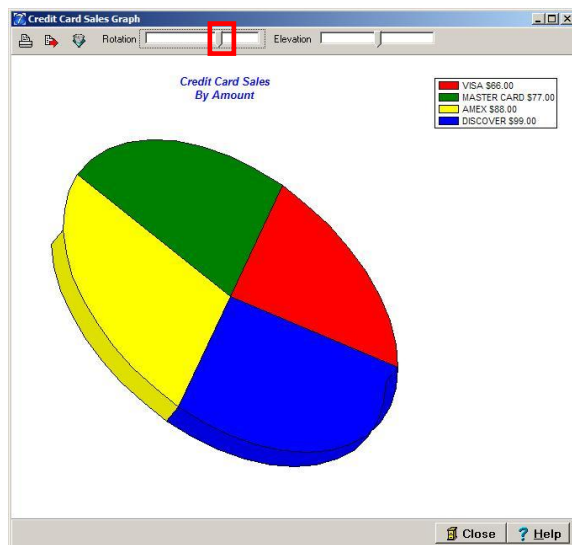
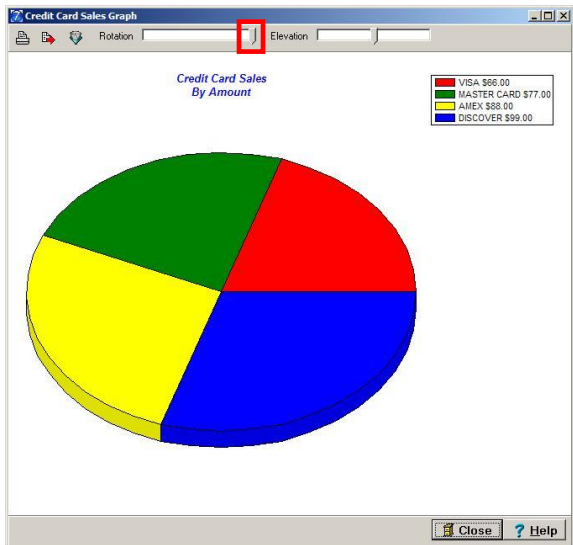


The graph above left is the default bar graph for the report, Financial By Amount, before the **3D** option is turned on. The graph on the right has the **3D** option turned on. With **3D** turned on, the 3D toolbar becomes active and appears in the top toolbar.

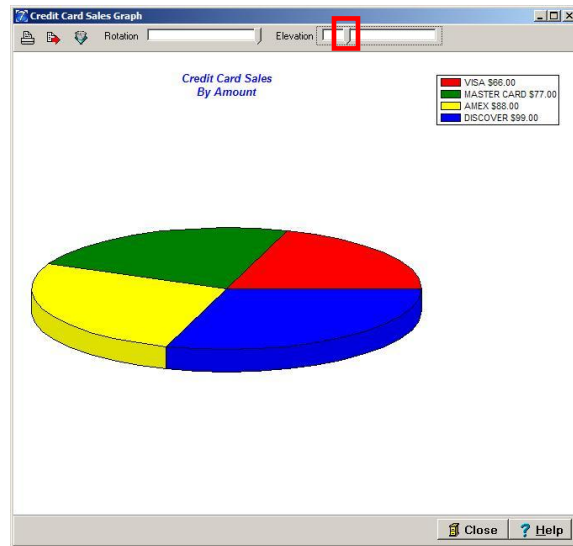
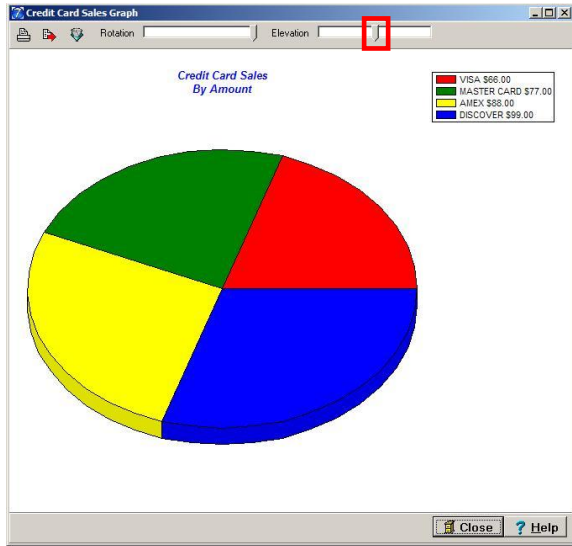
### 3D Toolbar



When the **Show in 3D** option is turned on, two more tools are added to the toolbar. The 3D Toolbar adds **Rotation** and **Elevation** to the regular graph toolbar.



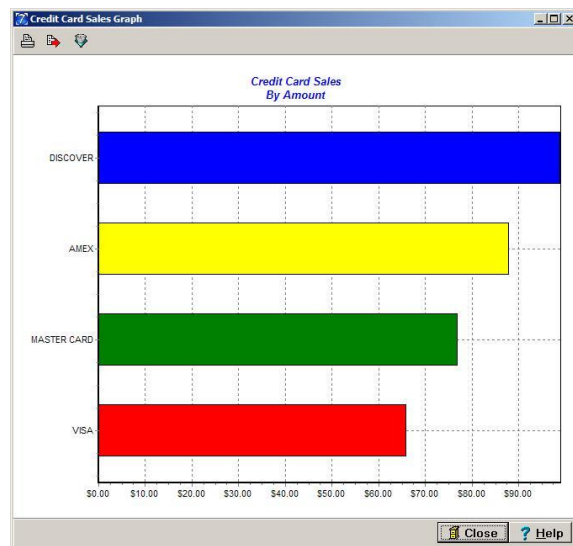
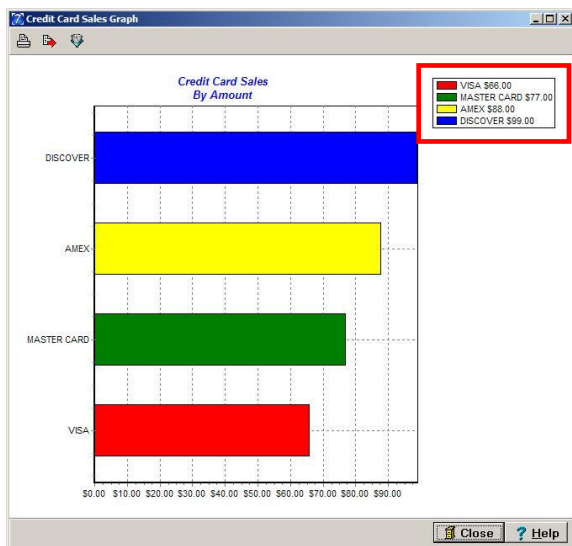
The **Rotation** slide bar control (in the red box above left) pivots the chart along the North – South axis. The graph on the left shows the bar in the default position, all the way to the right with the graph flat against the background. The slide bar (on the right graph above) is half way to the left and has pivoted the graph.



To rotate the graph along the east – west axis, click and drag on the slide bar on the **Elevation** control.

### Show Legend

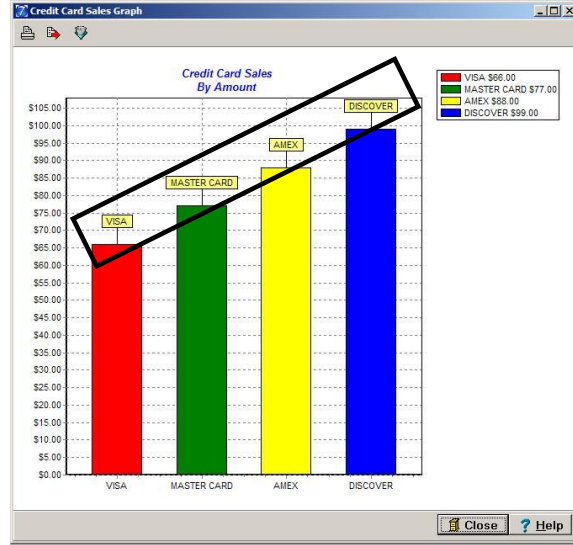
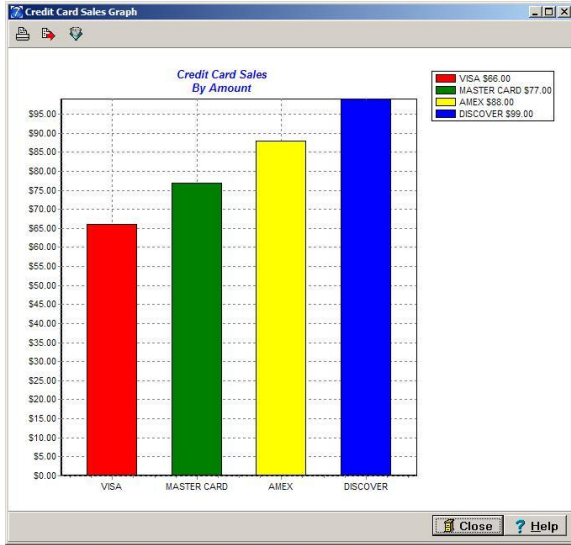
The **Show Legend** option turns on and off the graph legend in the upper right.



The graph's legend appears by default on the screen. It can be turned off, as shown on the graph above right. It is turned off from the graph's drop-down menu under **Misc Options** then **Show Legend**.

## Show Pointers

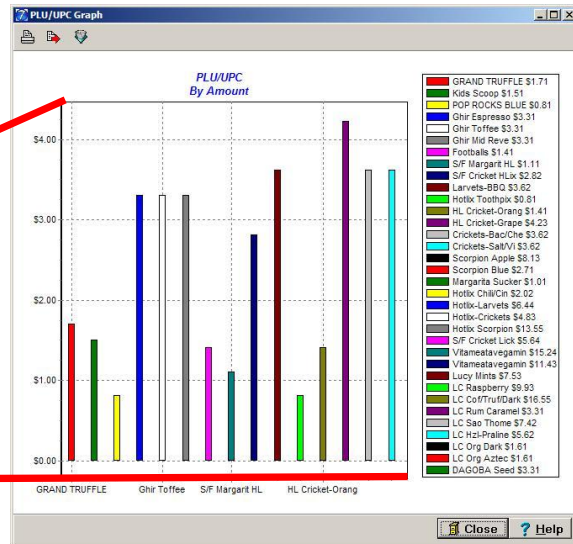
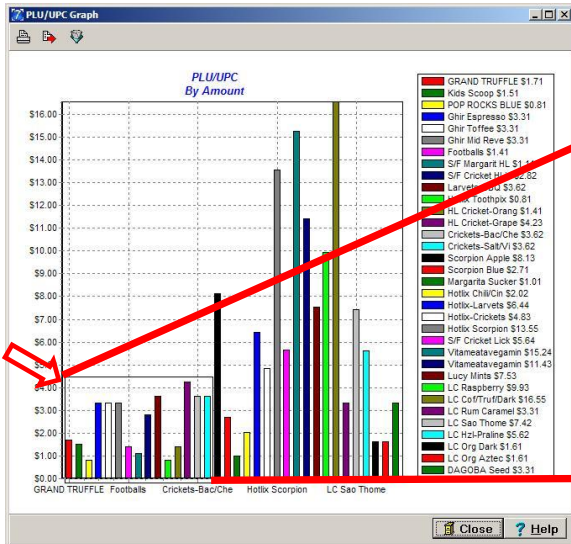
The Show Pointers option adds pointers from the title on each bar of the graph to the bar it is describing.



The graph to the left has the **Show Pointers** turned off. The graph on the right with the **Show Pointers** selected, adds the description for each bar with a line from that description to the bar it describes as shown in the black box.

## Allow Zoom

The **Allow Zoom** option allows users to zoom into an area of the graph and back out. This is helpful when there are a large number of items on the graph.

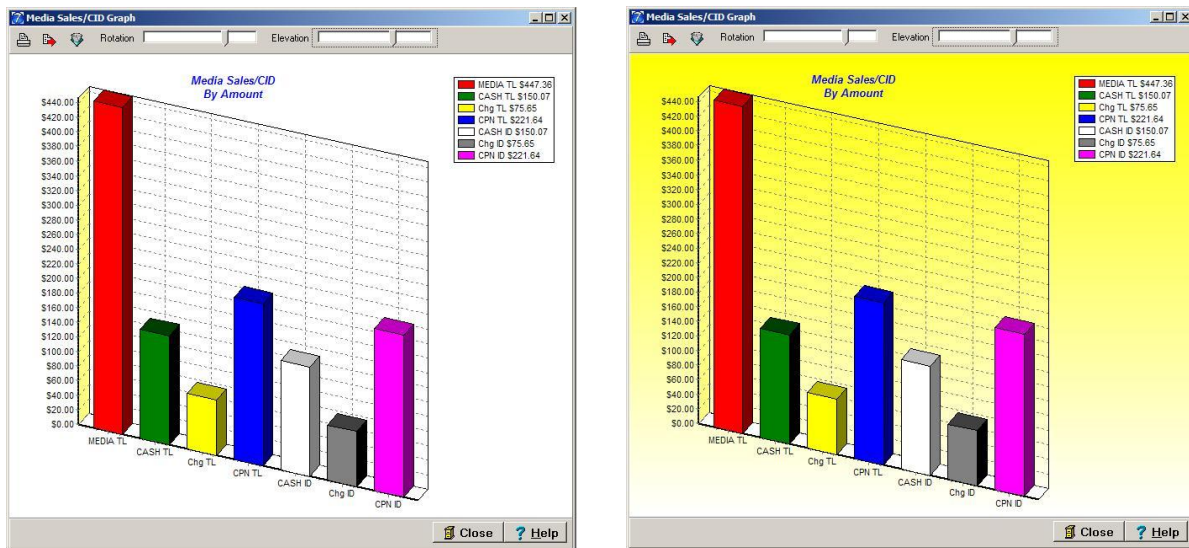


To use the **Allow Zoom** option to **Zoom In**, create a rectangle by left mouse clicking and dragging the cursor over the desired area. Begin the rectangle in the upper left corner, of the desired section, and drag towards the lower right corner. As the cursor is dragged, it will create a black line around the area chosen as in the graph on the left. The software will then zoom in on that selected area. The graph on the right above shows the exploded view of the selected area on the left.

To **Zoom Out**, create a rectangle by left clicking and dragging the cursor over the desired area. Begin the rectangle in the lower right corner and drag towards the upper left corner. The software will then zoom out.

### Use Gradient

The **Use Gradient** option changes the background color behind the graphs from plain white.

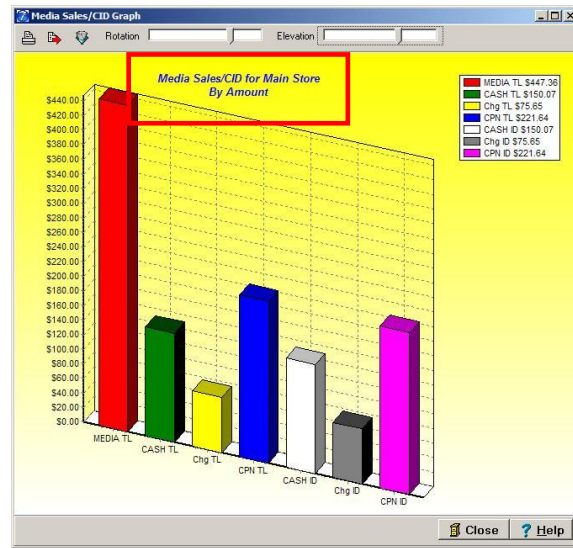
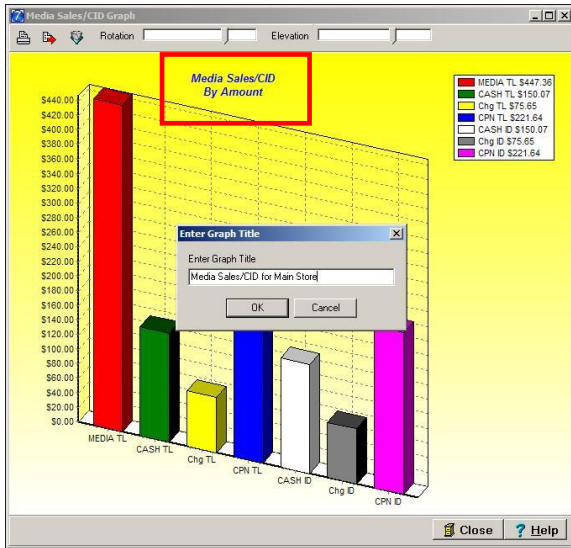


With the **Use Gradient** option toggled off, the background of the graph is white in the example on the left above but with the **Use Gradient** option turned on, the background goes from almost white to yellow at the top. The new option has one default background color – yellow. To choose from more colors use the **Use Old Graphing Functionality** option. See page 2.

### Change Graph Title

The **Change Graph Title** option allows the user to change the title of the graph on the screen.







When **Change Graph Title** is picked from the drop-down menu, the Enter Graph Title screen opens. Type in a name for the graph and click **OK**. In the example on the right above the name of the graph is now Media Sales/CID for Main Store By Amount.


### Graphical Display Feature tool bars and buttons

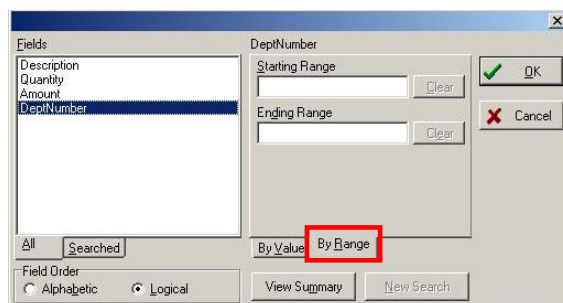
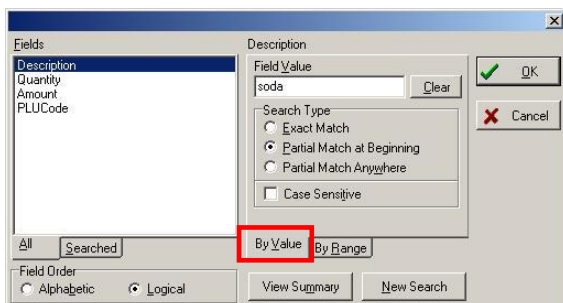


While in graphical display mode, the user has the ability to do a number of operations utilizing the toolbar.

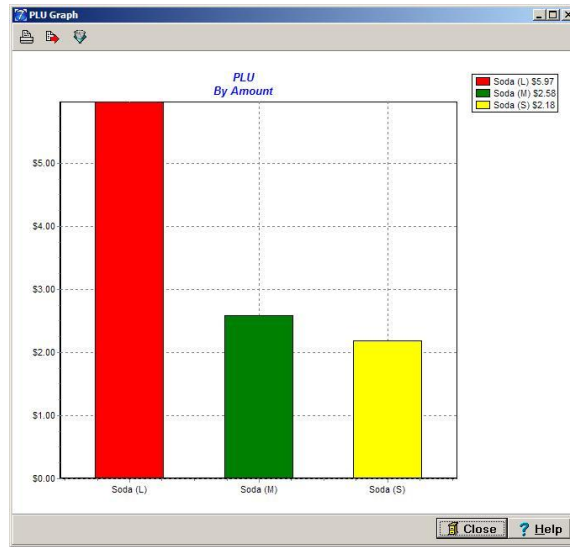
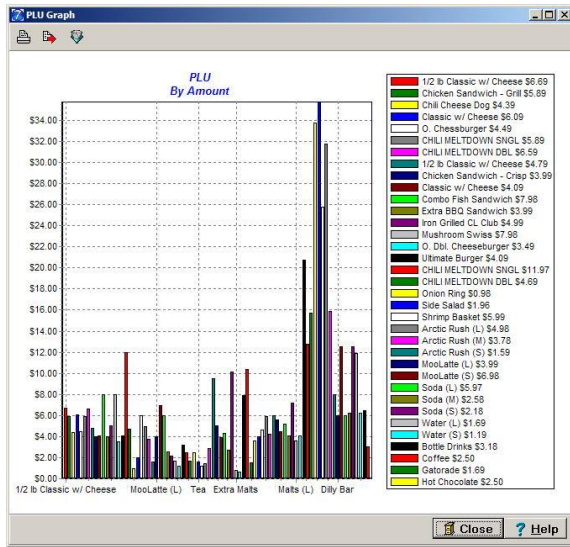
**Print Graph**  This button brings up the Printer Setup screen.

**Export to Bitmap**  This button will export the graphical display to a bitmap (.bmp) file. The Save As screen will first appear and users will be prompted to select the destination for the .bmp file.

**Filter**  The Filter button allows users to narrow the amount of data to view on the graph. Clicking the **Filter** button opens to the following screen. On this graph, the user can pick to filter by **Description**, **Quantity**, **Amount**, or **DeptNumber** (Department Number).



The user can filter **By Value** or **By Range** by clicking the tabs (in red boxes on each of the screens immediately above). Enter a search value then ready, click the **OK** button to display the filtered graph.



The graph to the left is for a **PLU By Amount** for a register. The filter was run with “soda” as the Field Value. The graph on the right above shows the results.

## Older graph format options


*Note: The following options are only available on select reports via the old graph format. To turn on the old graph format please see the section entitled **Using older software version graphing functionality**.*

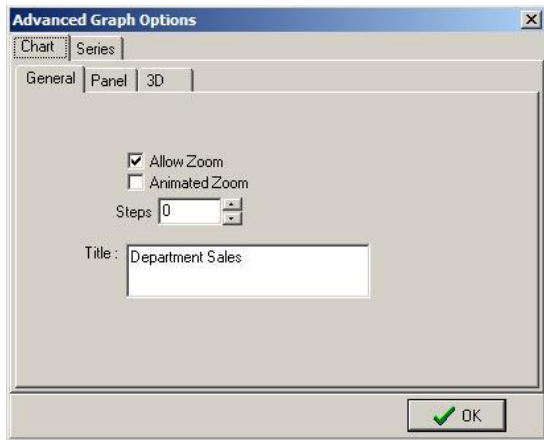
## Advanced Options Toolbar



**Zero Skip** Checking the Zero Skip option tells the software to ignore zeros when graphing the data for a report. This option is available only on the Casio 6000/6100/6600/7000/8500 Hourly Report.

**Show Legend**  Show Legend This checkbox at the far right end of the toolbar allows users to toggle on and off the display of the legend on the graph. If unchecked, the legend will be hidden and the graphical display will resize to optimize paper space.

**Advanced Options**  Advanced Options appear on the toolbar where the graph is coming from. Clicking the **Advanced Options** button opens the Advanced Graph Options screen below.



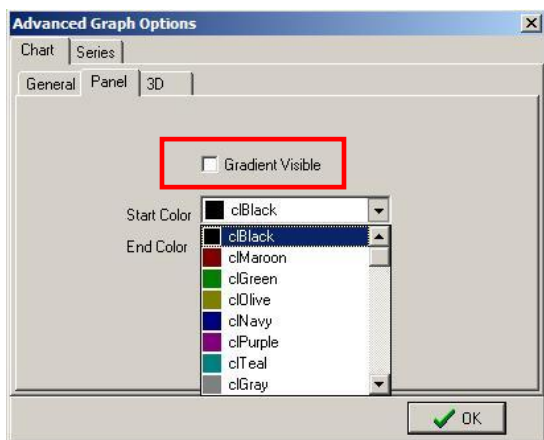
### Chart Tab/General

The General Tab has the following options:

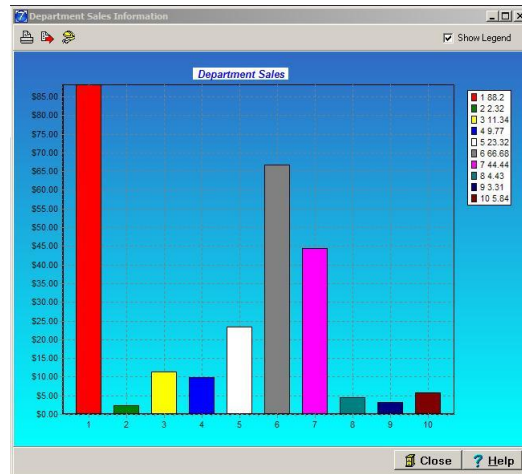
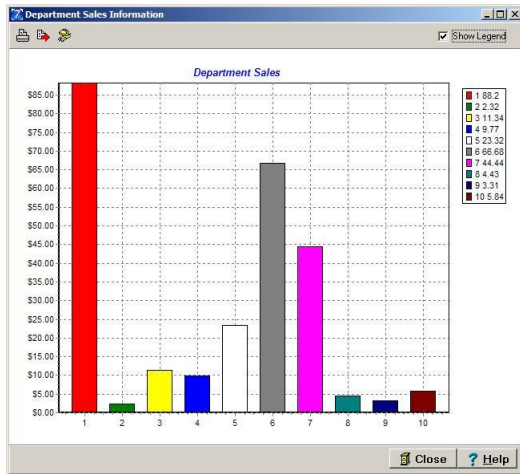
- Allow Zoom** Lets the user zoom in on a section of the graph.
- Animated Zoom** This feature changes the speed that the zoom feature works.
- Steps** The number of Steps sets the increments for the Zoom option.
- Title** The name of the chart can be changed by typing a new name in here.

### Chart Tab/Panel

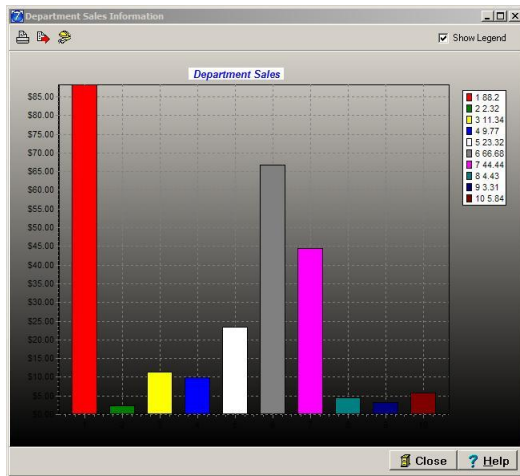
The Panel Tab has the following option:



**Gradient Visible** Checking this box allows the user to change the plain white background of the charts to a shaded gradient beginning with one optional color to another from the bottom of the chart to the top.

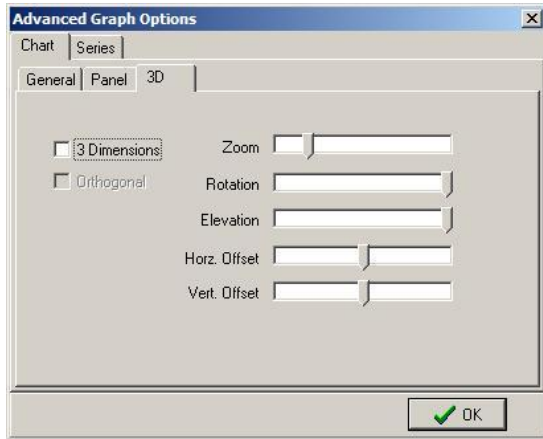


To set the gradient, use the drop-down menus on the Advanced Graph Options screen to pick the **Start Color** (the color at the bottom of the graph) and the **End Color** (color at the top of the graph).

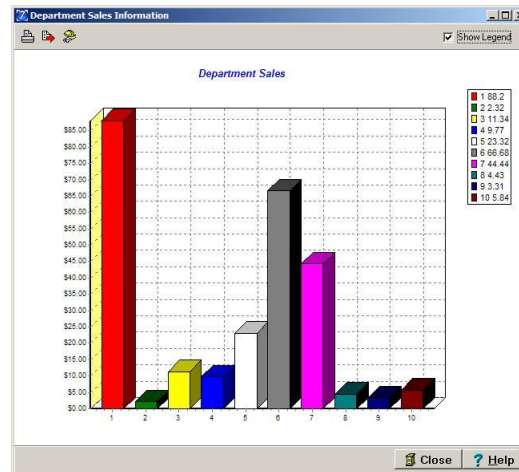
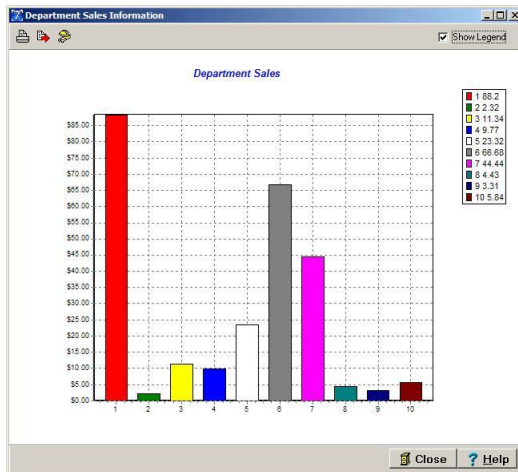


Note: If black or a dark color is picked for the Start Color or End Color, the vertical and horizontal scales may be difficult to read or disappear as in the graph above.

## Chart Tab/3D



The **3D Tab** offers advanced users more features to customize their graphs. The 3D Tab has the following options:



**3D** Checking the **3D** box activates the options on this tab. The graph on the left above shows the graph set to 3D with no other options set.

**Orthogonal** With **Orthogonal** checked on the **3D tab**, the graph changes from a flat bar graph on the left above to a graph with each bar now being a rectangular box as on the graph on the right above. In order for the Rotation options to work, the **Orthogonal** option must be turned off.

**Zoom** Zooms into and out of the chart, increasing or decreasing the size of the chart against the background. Clicking and dragging from left to right, around a section on the graph, will zoom into that section. Clicking and dragging from right to left, will zoom back out.

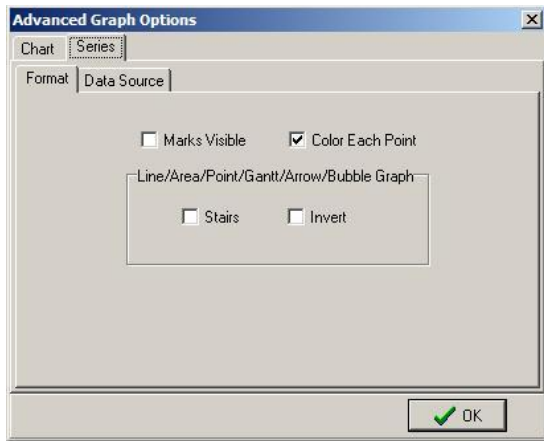
**Rotation** Pivots the chart along the North – South axis. Be sure the **Orthogonal** option is turned off.

**Elevation** Pivots the chart along the East – West axis.

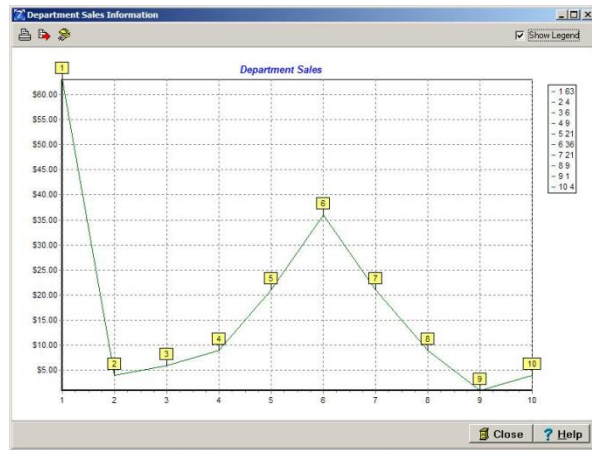
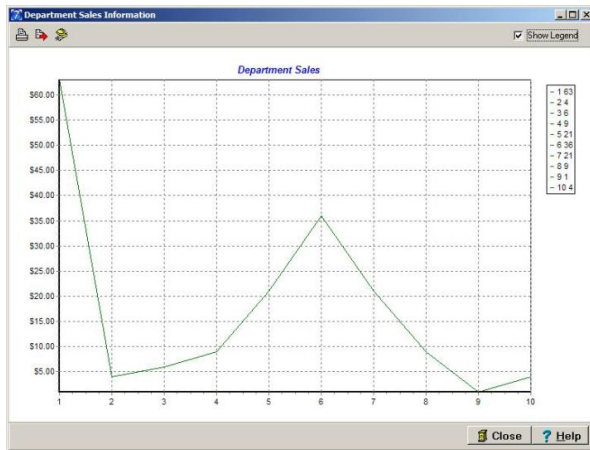
**Horizontal Offset** Slides the chart left and right on the screen.

**Vertical Offset** Slides the chart up and down on the screen.

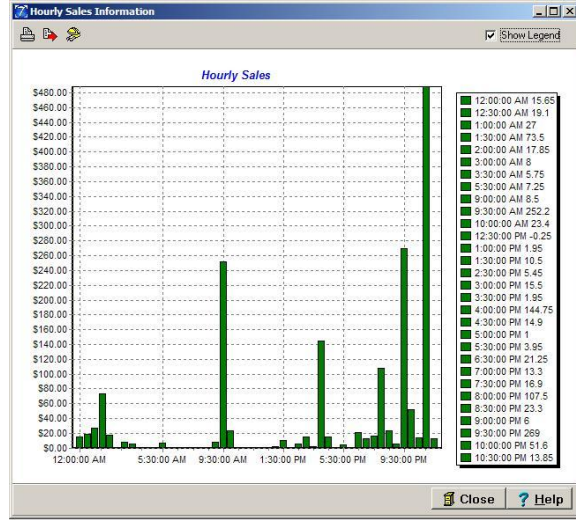
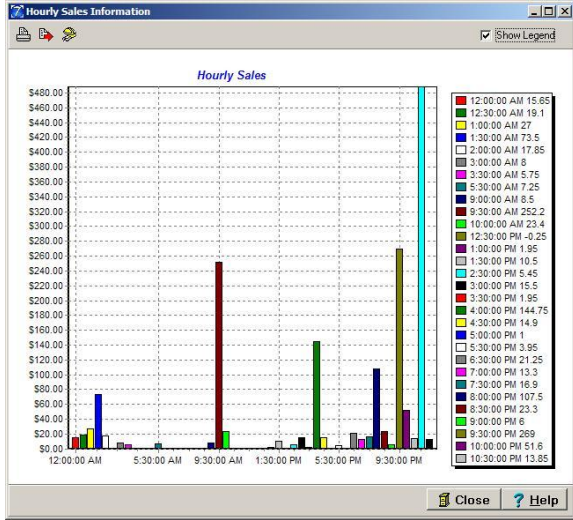
### Series Tab/Format



The **Format Tab** options are based upon the type of graph that has been selected: Line, Bar, Pie, etc. Depending on the type, options can be changed to enhance readability of the graph.

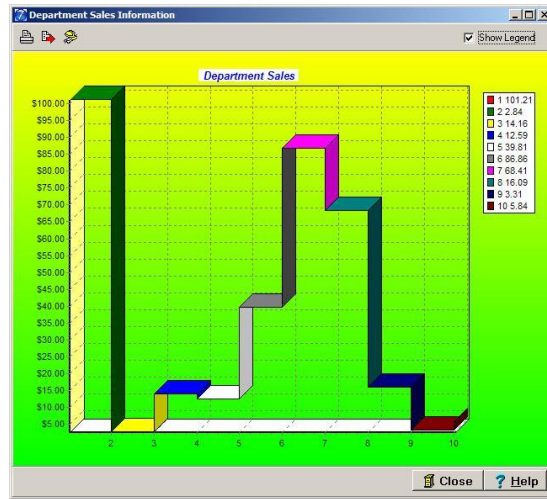
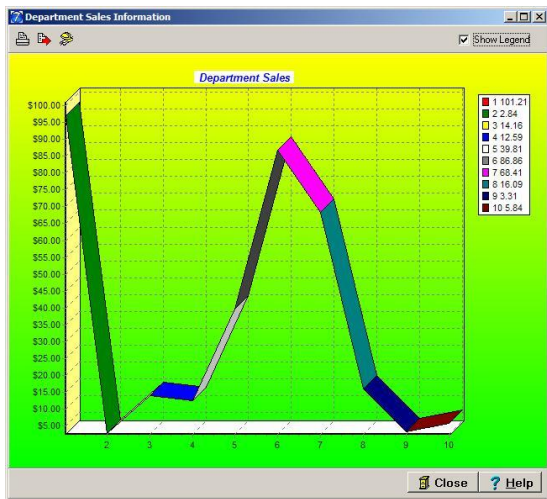


**Marks Visible** On the line graph above left, the Marks Visible is off. By turning this option on, each item on the Legend is marked with a number and its position on the graph.

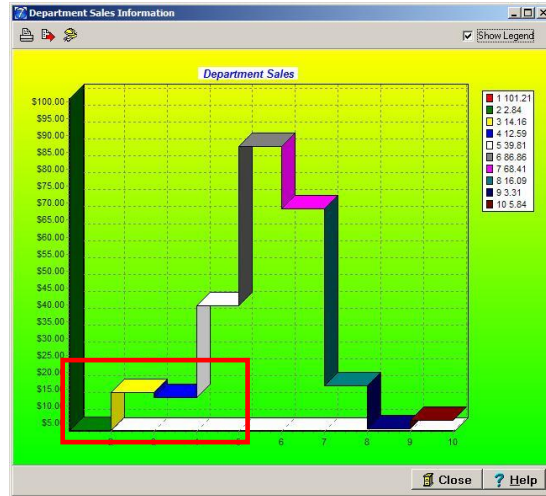
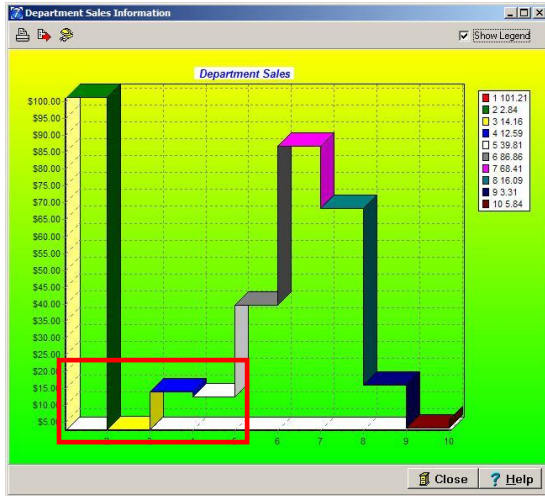


**Color Each Point** By default the Color Each Point option is turned on as in the graph above left. Each bar of the graph is a different color as well as the points on the legend they correspond to, making it easier to read the information on the graph. On the right above, this option has been turned off, making all the bars and points on the legend green.

The following two options, Stairs and Invert, work with Line, Area, Point, Arrow, and Bubble Graphs.

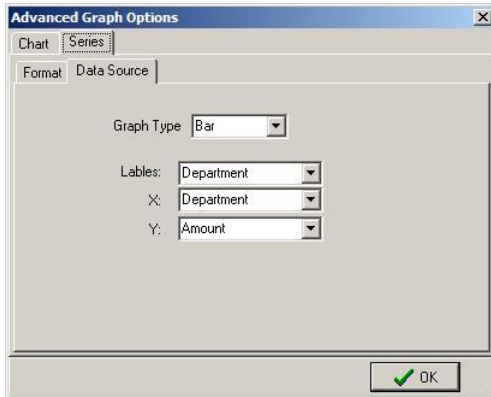


**Stairs** The Stairs option turns the 3D line graph above left into a stepped graph as on the right above. The 3D option has to be turned on.



**Invert** The Invert option switches the colors on the bars in a bar graph or the color lines on the stairs of a line graph if the Stairs option is turned on. Compare the sections in the red boxes of the graphs above. The Invert option was turned on for the graph on the right

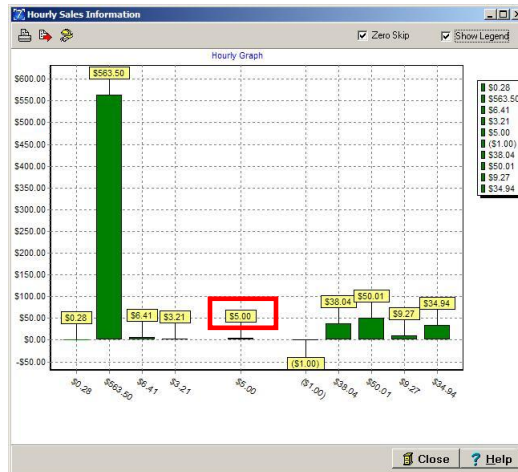
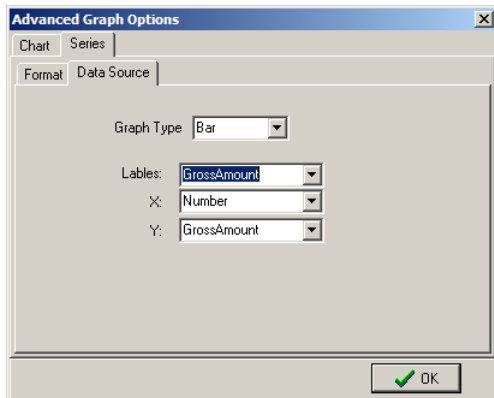
### Series Tab/Data Source



The **Data Source tab** allows the user to pick the type of graph to display. It also displays what information is displayed on what axis.

**Graph Type** The Graph Type drop-down menu allows the user to pick which type of graph to use - Bar, Horizontal Bar, Area, Point, Pie, Fast Line, Gantt, Arrow, or Bubble.

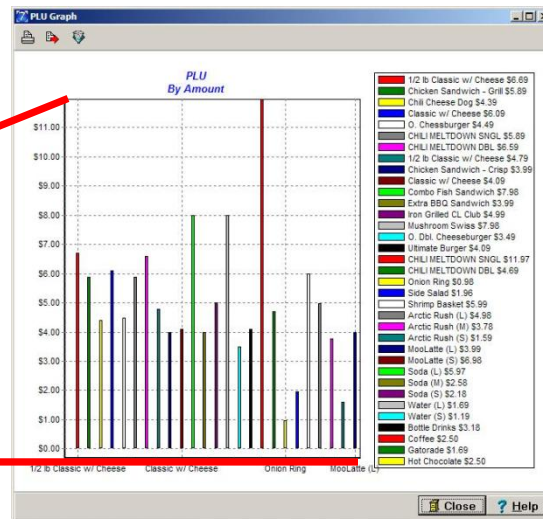
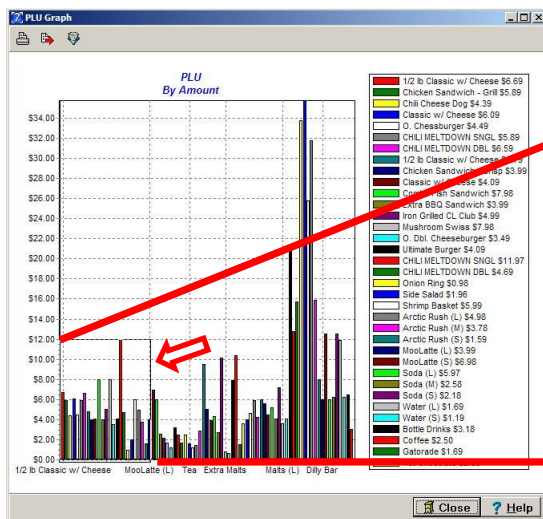




**Labels** The **Labels** drop-down menu allows the user to pick what will be displayed on the labels for each bar, pie wedge, or line on the graph. See the red box above left. In the example above, the **Labels** option on left is set to **Gross Amount**, **X-axis** is **Number**, and the **Y-axis** is **Gross Amount**. The graph on the right displays the results.

**X-axis** The X-axis runs horizontally

**Y-axis** The Y-axis on a bar graph usually runs vertically.



**Zoom In** Create a rectangle by dragging the mouse over the desired area. Begin the rectangle in the upper left corner, of desired section, and drag towards the lower right corner. The software will then zoom in on that selected area.

**Zoom Out** Create a rectangle by dragging the mouse over the desired area. Begin the rectangle in the lower right corner, of desired section, and drag towards the upper left corner. The software will then expand the graph out to its original settings.

**Move Axis** To move the axis of the graph simply right-click on the graph and drag the graph to a new location.

**Right Clicking** To grab the graph and move it right, left, up, or down, right click inside the graph and drag on the graph.

The **Close** button on the bottom right of the graph will close the graphical display window and take the user back to the Reports Area.

The **Help** button on the bottom right of the graph brings up the V7 Help Files.