Creating a Strip Log Plot in montaj Drillhole Plotting

Drillhole strip log options are provided in easy-to-use tab menus, enabling quick access to all the settings from a single dialog. The dialog includes sensible defaults; enabling easy creation of strip logs. Using the strip log tab dialog you can display up to 32 data/graph type selections in each plot.

In this Creating a Strip Log Plot in montaj Drillhole Plotting How-to Guide, we will guide you through the process of creating a Strip Log Plot and then, we will show you how to use the Compositing Tool to create a composite on your Strip Log Plot.

Geosoft provides sample data for you to use when working through these How-To Guides. These data files can be found in your "...\Geosoft\resourcefiles\data\target" folder.

Creating a Strip Log

1. On the DH-Plot menu, click Strip Log. The system displays the Strip Log Parameters dialog box.

![Strip Log Parameters Dialog](image)

2. To specify the Holes to plot, select one of the three options on the Page Layout tab.
3. Select the Hole Trace tab to specify hole trace parameters, such as Depth Ticks.
4. To plot data along the hole traces in the strip log, select the Data tab.
The Plot check boxes enable/disable the Data selection dropdown list. This is a convenient way to select or de-select individual data plots, without clearing or re-selecting the data from the Data lists.

5. Select the data channel(s) available in the drillhole project from the Data dropdown list.
   - The selections combine the name of the channel, along with the identifier for the project database in which the channel is found.

6. Using the Plot Type dropdown lists, select the plotting type for the data.
   - Plot Types displayed are based on the type of selected data.

7. To plot two data selections along the same drillhole trace, click the Link button found to the right of the Define buttons.
   - The link buttons, on the far right of the Data dialog enables you to link the hole traces so that more than a single trace can be plotted down the same vertical hole. Each button straddles two data selections. When the Link button is selected, a black half-link graphic appears on the button, joining the two data selections. Selections thus joined are plotted on the same trace.

8. To specify the legend parameters, select the Legend tab. To enable the plotting of a legend, check the Plot Legend box.

9. To enable the plotting of data information, check the Plot data info box and then select the data information you wish to plot in the legend.

10. To specify the positioning of the strip log traces, select the Strip Positioning tab. Use this tab to specify the spacing of the traces.

11. Using the radio buttons you can select the following spacing, Equal spacing, Fixed spacing, Proportional spacing and Fixed offset.
Click the Default button to calculate and display the default spacing values, based on the selected ‘Spacing’ method. You can also select the Nudge radio button to move the traces by a specified distance in centimeters.

12. Click the OK button on the Strip Log Parameters dialog. The strip log map is created and displayed.

Compositing Tool
The Drillhole composite tool calculates the average value of assays over a specified interval. The composite tool works with strip log plots to calculate and annotate composite intervals on up to five data selections at once. This tool has the added feature of multiple undos and provides the option to output the intervals to a text file.

To Create a Composite on a Strip Log Plot
1. Open and select (highlight) the strip log plot you are working with.
2. On the DH-Plot menu, click Compositing Tool. The Compositing Tool dialog appears.
3. You can specify the interval over which to determine the composite value by manually entering the interval in the From and To boxes, or you can select the range of depths interactively from the strip log map, by clicking the Range button.

⚠️ When the Range button is clicked, the cursor changes to a cross. Click once on any location in the map to define the top or bottom of the interval. The "Box" cursor is then displayed. Move the cursor up or down to the other end of the interval and click a second time to select the full interval. Control is then returned to the compositing tool, and the From, To and Range buttons are updated to the selected interval. In addition, the composite values for any selected data will also be updated.

4. Using the Selected Data dropdown list, you can select up to five of the plotted hole graphs. The graphs are numbered beginning on the left.

5. Click the Options button to select how the composite value label is to be displayed with the selected data. The Labelling Options dialog is displayed.
6. Using this dialog you can specify labelling options when plotting composite intervals on the strip log map.
   
   ! For more information on labelling options, click the **Help** button on the **Labelling Options** dialog.

7. Once you have set your labelling options, click the **OK** button to return to the **Compositing Tool**.

8. Click the **Plot** button to plot that particular composite value to the selected data on the strip log map.

---

How-To Guide Publication Date: 11/12/2014
Copyright 2014 Geosoft Inc. All rights reserved.