



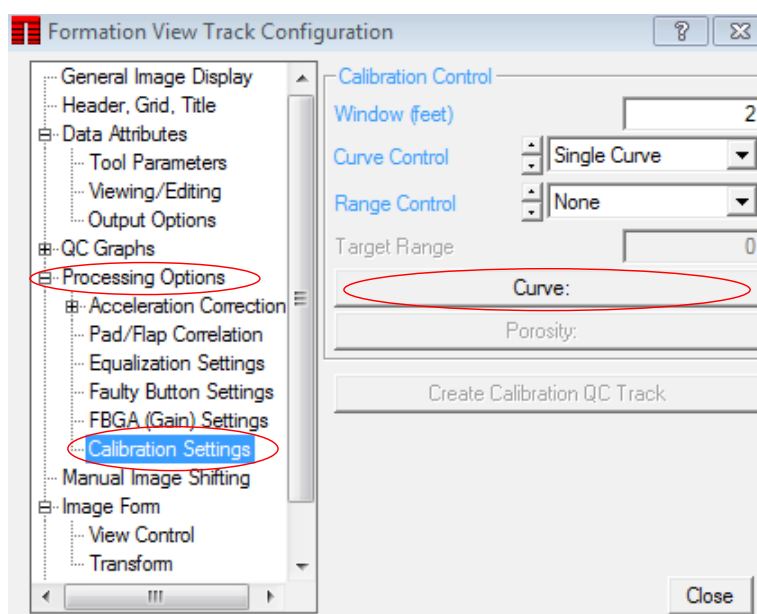
## Computing a synthetic resistivity curve (SRES) from a borehole image within TerraStation.

This assumes you have a borehole image loaded and a suitable logged shallow resistivity curve.

In the **Formation Viewer/IMAGELog** module create a track displaying the borehole image. Make sure the image is displayed statically, not dynamically.

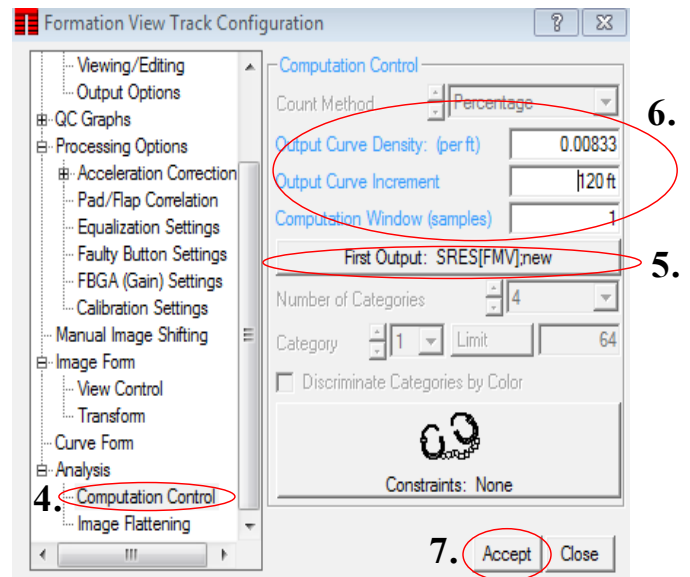
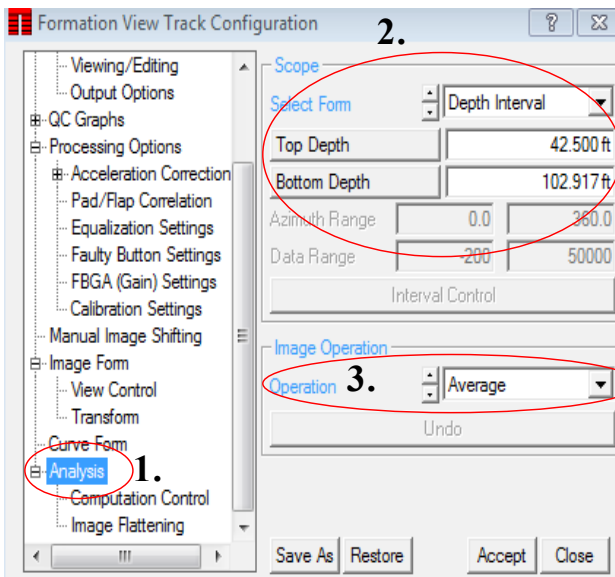
Right Click on the track and select *Track Configuration* from the menu.

Click the Plus next to *Processing Options* followed by *Calibration Settings*.



Click the *Curve* button and select the shallow resistivity curve you wish to use to calibrate the image. Also if desired, set the *Window size in feet* to a different amount.

Click *Processing Options* on the left hand side of the *Formation View Track Configuration* window and check the box to the left of *Calibration*.



1. Now Click on *Analysis* on the left hand side of the *Formation View Track Configuration* window.
2. Select *Depth Interval* and type in the desired top and bottom of the interval to compute the SRES curve over.
3. Change the *Operation* to *Average*.
4. Click on *Computation Control*.
5. Click the *First Output* button. Select *Create New Curve*. Give the new curve a name (e.g. SRES).
6. Set the *Computation Window (samples)* setting to 1, and the *Output Curve Density (per ft)* value to 120. This will compute an output curve at the resolution of the image data.
7. Click the *Accept* button. The computation will take a few seconds depending on the depth interval being processed.

That's it.

You might want to go back to *Processing Options, Calibration Settings* and uncheck the check box next to *Calibration*.

Now Click *Close*.

**Thank you for using TerraStation**