

# How to Use Save Balance in Analysis

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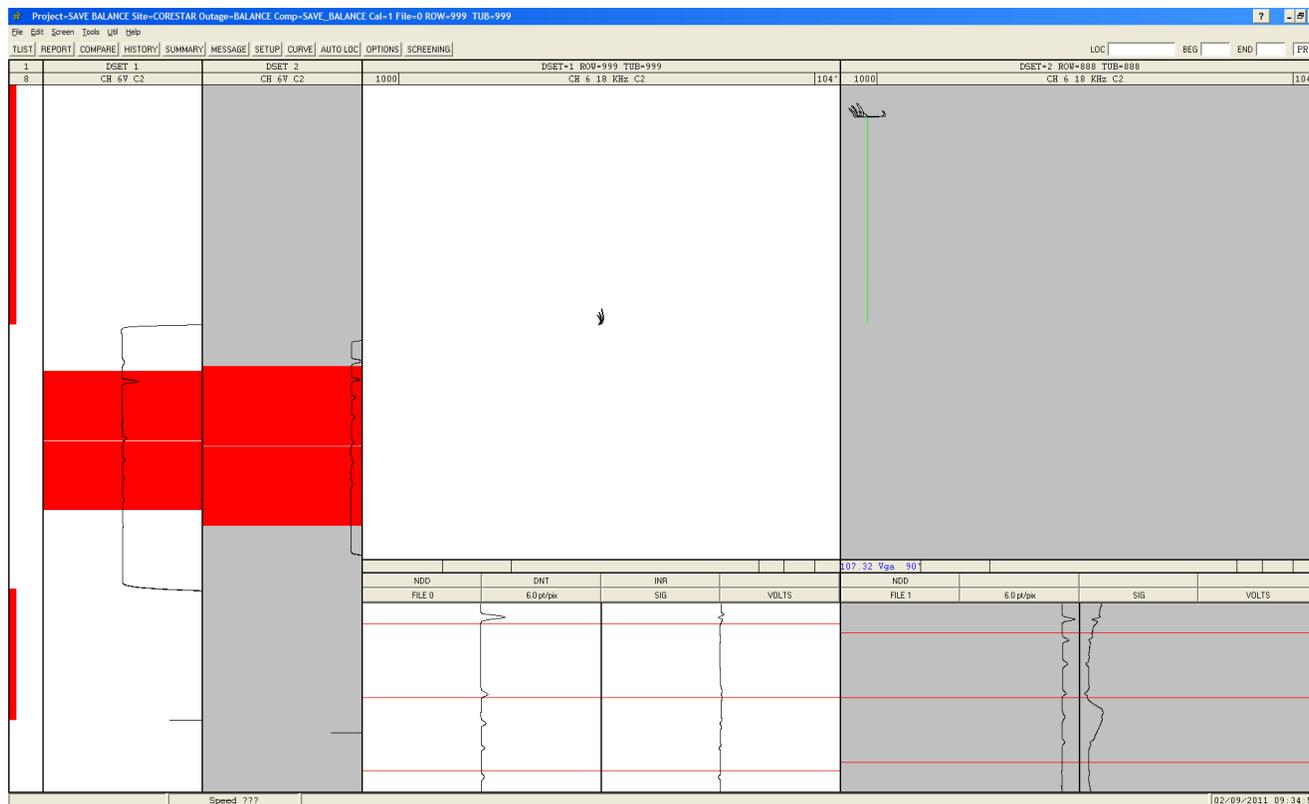
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## Purpose

The **Save Balance** feature of the EddyVision software will save a balance point in known “nominal” wall material and take measurements from the saved balance point. The measurement used for this feature is volts vert max (Vvm),

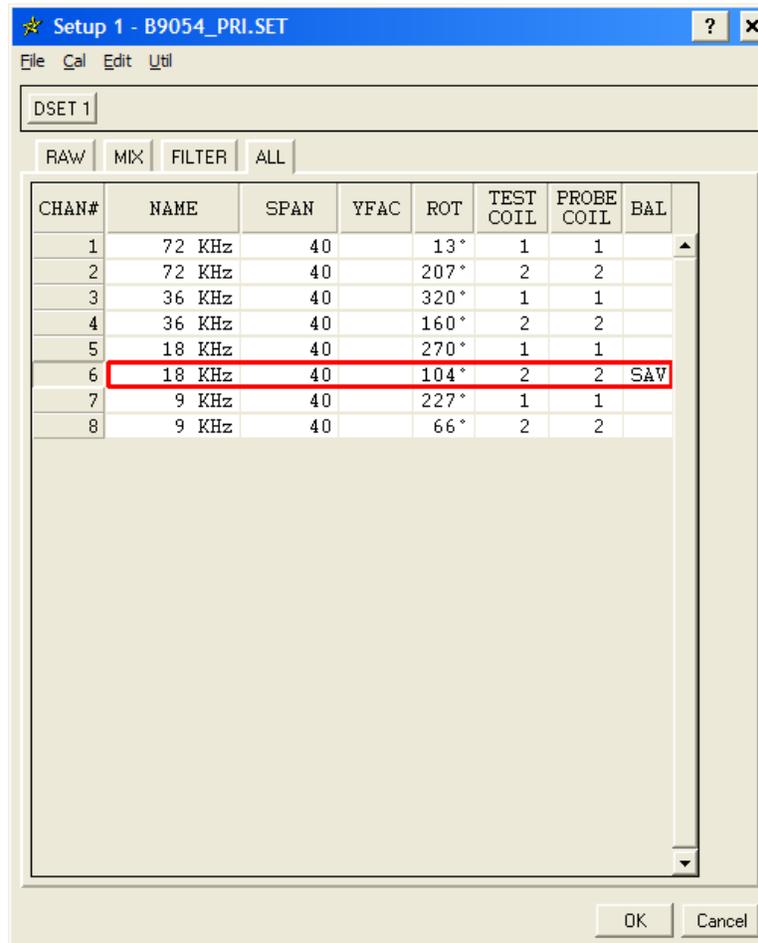
## Procedure



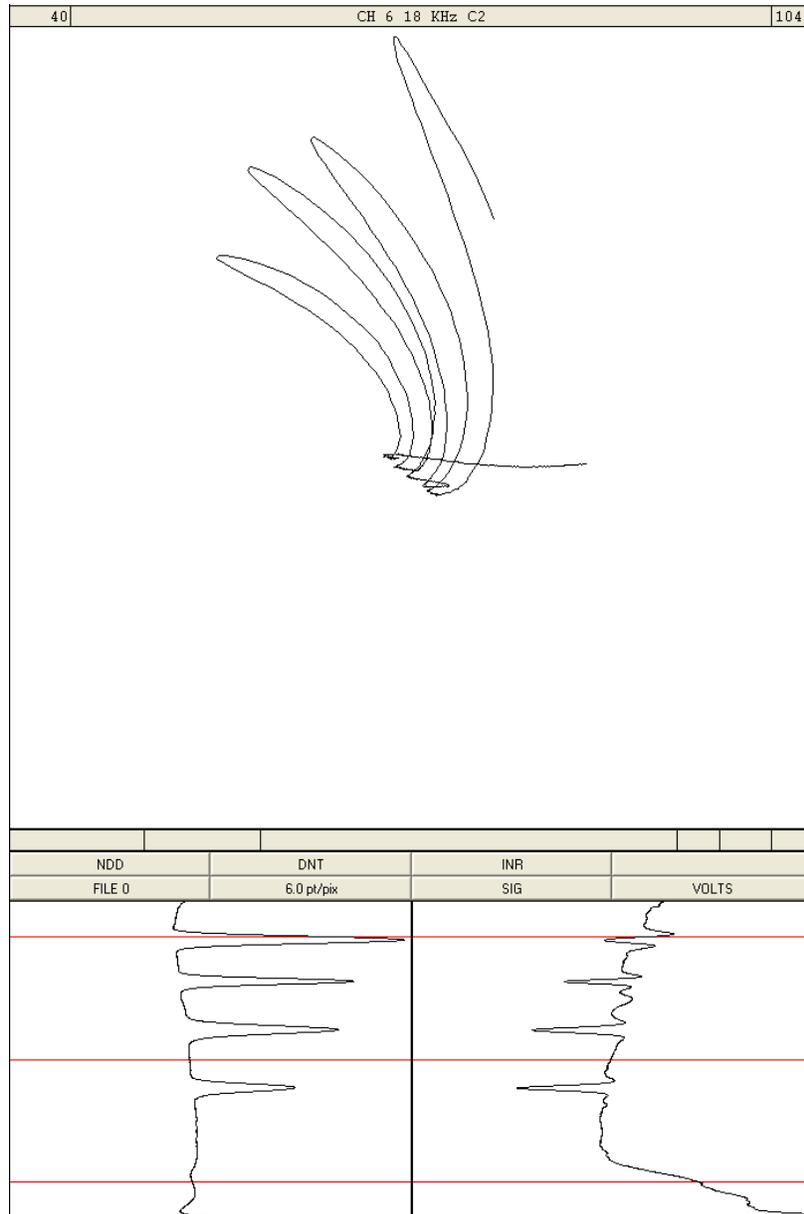
Left lissajous is 18 kHz absolute channel at a span of 1000 in .049” wall 90/10 CuNi standard. Reference material is .049” wall 90/10 CuNi. Right lissajous is 18 kHz absolute channel at a span of 1000 in .035” wall 90/10 CuNi standard. Reference material is .049” wall 90/10 CuNi. The vertical difference between the center of the right lissajous and the probe motion is approximately 107.32 Vga (guess angle).

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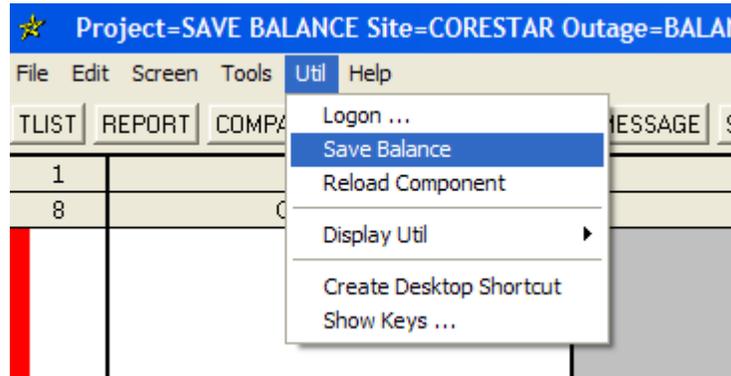
The first step is to select which channel(s) will use this feature. From the **SETUP** window, select the **ALL** tab. Left click in the **BAL** field of the channel(s) in which the Save Balance feature should be used. The graphic below illustrates channel 6 (18 kHz absolute) selected.



The next step is to position the cursor in an area where the tubing is nominal. Once the cursor is in place, press the space bar or right click in the lissajous to balance. The graphic below shows a balance point between the 100% Hole and 80% FBH on an ASME standard.



Next, select **Save Balance** from the **Util** dropdown menu. The current balance point will be saved to the previously selected channel(s). In this example, the balance point is saved to channel 6. Save setup.



Since the balance point has been saved in nominal tubing, all future Vvm measurements will be measured from the saved balance point. It's important to note that the lowest point in the lissajous screen will be the peak of the Vvm measurement. The graphic below shows a value of 0.00 Vvm for the nominal wall tubing and 107.27 Vvm for the thinner wall tubing.

