

DATASCOPE - BUG LIST

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The program isn't even out the door yet, and there are bug reports.

There are a variety of problems with polar images that will be worked on before the next release. Polar datasets work for many operations, but have problems with a few.

Polar - Load Palette cannot map colors to the polar window, even though it tries. Workaround is to generate a rectangular image and load a palette to that window BEFORE generating the polar window. DataScope always uses the last palette loaded when it generates a new image.

Polar - Size control in the Attributes dialog. The size of the polar window is always square and it is controlled with the horizontal image factor in the Attributes dialog. Unfortunately, the width of the polar window is **one half** of the dimension factor given in the Attributes dialog.

Polar - Because of the 1/2 size problem with polar image size, the out-of-memory warning will appear before you actually run out of memory. Polar images are memory checked at full size and then generated at 1/2 size.

Polar images have no quadrant control. Theta values in any range outside of $0-2\pi$ will cause strange results with respect to cursor movement.

Interpolated images - the cursor-click to see the corresponding data values may not be reliable if you are using data which does not have linear scaling along both axes. The cursor position in the dataset is calculated using a linear scale. This will be changed to be a general algorithm in the next version of DataScope.