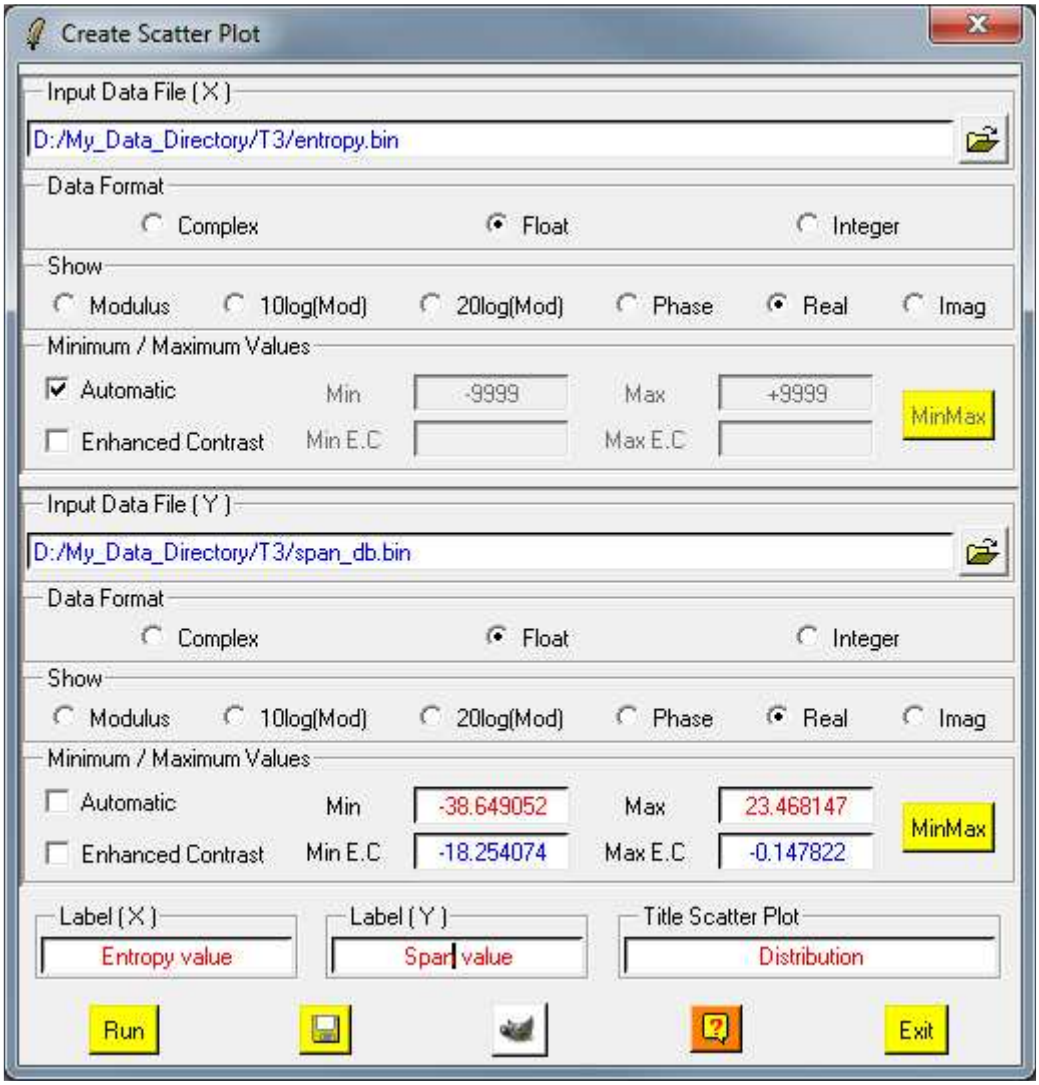
Create Scatter Plot



Description:

This function is used to create a scatter plot from two polarimetric binary data files.

Comments:

Parameters written in Red can be modified directly by the user from the keyboard.

Input/Output Arguments:

Input Data Files X	Indicates the complete location of the binary data file (X axis) to be used to create the scatter plot
Input Data Files Y	Indicates the complete location of the binary data file (Y axis) to be used to create the scatter plot

Processing Parameters:

Data Format Indicates the type of input data.

- Complex : 4 bytes interlaced real and imaginary parts.
- Float : 4 bytes real data.
- Integer : 2 bytes real data.

Show Indicates the mode of representation. The default value is set to **real**.

- Modulus : Modulus of real / complex input data (linear scale).
- 10*log10(Modulus) : Modulus of real / complex input data (db scale).
- 20*log10(Modulus) : Modulus of real / complex input data (db scale).
- Phase : Argument of complex input data (linear scale).
- Real : Real part of complex input data (linear scale).
- Imag : Imag part of complex input data (linear scale).

Min / Max Values Scales the output data range of variation

- Automatic : The first colormap index is assigned to values inferior or equal to min, while the last colormap index is assigned to values superior or equal to max.
If selected, the program automatically search the min and max values of the data, otherwise min and max values are fixed by the user.
- Enhanced Contrast : The program automatically adapts the color scale (colorbar) to data distribution. Min and max are set so that 5% of the total number of pixels are superior to max and 5% are inferior to min.

Save / Display:


Save the scatter plot thumbnail as a GIF file.


Display the scatter plot using GIMP

Result example :