Subject: Problems with plotting with log scaling
Posted by mathews on Fri, 23 Jun 1995 07:00:00 GMT

If I plot a series of numbers that ranges from let's say 0 to 10e-4 such
as in the following IDL command:

 plot, indgen(10)*.001, /ytype

then IDL will scale the value with 8 magnitudes of values from 10e-2 to
10e-16 because I believe that the precision is approaching zero, which is the
minimum value.

The problem is that you cannot see anything relevant in a log scaling
when the data should be plotted with a minimum at 10e-4 and not 10e-16.

If zero is a valid value is there any way around this besides explicitly
forcing the yrange = [10-4,10-2] or min_value = 10e-4 because the plots
are generated automatically and all the zero values would be lost.

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