Subject: Re: Error in coyote's colorbar
Posted by Brian Larsen on Thu, 11 Oct 2007 18:08:15 GMT

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> this is ploting an array with -inf in it, which is ignored by plot.
> It then is plotting the next value (for instance -1) so it is fine.
> You are explicilty telling the plot command to plot from -inf to 70,
> which it cannot do.

ok, that makes sense.

> how about setting range = [min(loglevels[0,70.7107]),
> max(loglevels[0,70.7107])] ?

oddly, this has the same error:
IDL> colorbar, range=[min(loglevels([0,70.7107])),
max(loglevels([0,70.7107]))], /ylog, /vertical,
ytickv=LogLevels([0,70.7107])
% AXIS: Data coordinate system not established.
% Error occurred at: COLORBAR   412 /Users/balarsen/Documents/
idl/larsen/fanning/colorbar.pro
% $MAIN$
% Execution halted at: $MAIN$

this however, does work:
 colorbar, range=[0,70.7107], /ylog, /vertical, /minor, $
 ticknames=LogLevels([0,70.7107]), $
 divisions=n_elements(LogLevels([0,70.7107]))

except there is n+1 ticks so there is one extra label (and in the
wrong place)

this is the equilivant that you can run without loglevels():
 colorbar, range=[0,70.7107], /ylog, /vertical, /minor,$
 ticknames=[.1,1,10], divisions=3

Cheers,

Brian

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