Subject: Labeling logarithmic axes
Posted by laura.hike on Fri, 19 Feb 2016 01:16:05 GMT

Hi,

I can't find anything recent about this problem, so....

I am making a line plot and would like to use a logarithmic y-axis. So far so good. I use

pavgsw = plot(merraaswhr,merrap,color='red',thick=2,name='MERRA2',yra nge = [1000,100],ylog=1)

I get a nice plot with a log axis BUT only the 1000 and 100 tick marks are labeled. I would like to label 500 and 200 as well. Doug Fanning has a nice discussion of this at http://www.idlcoyote.com/graphics_tips/minorlog.html, however, the information seems to be outdated (or at least the keywords aren't recognized under the new graphics system). I tried a variety of options based on his method, like defining

   axislabels = ['1000', '','','','500','','','200','100']

then adding

   pavgsw.ytickname = axislabels   with or without   pavgsw.ymajor = 9

(or doing the same with key words in the original plot statement).

The problem is that as soon as I add the ytickname option, the tick marks go back to linear spacing. Does anyone know how to fix this?   I should point out that the plotted lines are not affected by the changes to the axis, only the axis markings are.

Thanks much,

Laura H.