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Subject: Re: Multiple Axes

Posted by [btt](#) on Tue, 31 Jan 2006 02:07:07 GMT

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vorticitywolfe@gmail.com wrote:

> I have a quick question that may seem rather trivial, but I can't seem  
> to figure out how to make it work. I'm trying to plot a two  
> dimensional plot which includes three arrays with their own unique axis  
> (e.g., precip rate, relative humidity, and temperature); however,  
> using the axis command I can only define two axis. I would like the  
> 3rd axis to be located next to the far right side of the plot, so I  
> tried the position keyword, but that doesn't work because it begins a  
> new plotting window at the far right side and doesn't use the ranges  
> indicated on the first window. Does anyone know the solution? Thanks  
> for your help! Jon  
>

Does this do what you want?

\*\*\*\*START

n = 360

t = TIMEGEN(n, START=JULDAY(1,1,2006), STEP = 1, UNIT = 'DAY')

x = SIN(!DTOR\*Findgen(n))

y = SIN(!DTOR\*Findgen(n) + !PI/4.) / 2.

z = x-y

pos = [0.2, 0.2, 0.8, 0.9]

PLOT, t,x, \$

POSITION = pos, \$

XTICKUNIT = 'time', \$

YTITLE = 'x'

AXIS, 0.1, 0.2, /NORM, /SAVE, \$

YAXIS = 0, \$

YRANGE = [-0.5,0.5], \$

YTITLE = 'y'

OPLOT, t,y, THICK = 2

AXIS, 0.9, 0.2, /NORM,/SAVE, \$

YAXIS = 1, \$

YRANGE = [-2,2], \$

YTITLE = 'z = x-y'

OPLOT, t, z, LINESTYLE = 1

\*\*\*\*\*END

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