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 humididty, 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
```

Subject: Re: Multiple Axes
Posted by vorticitywolfe on Tue, 14 Feb 2006 16:19:36 GMT
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Yes! Thank you! The part I was missing was the call in axis
(axis,X*,Y*) where the *'s indicate the position of the third axis.
Thanks again!