Subject: Re: Multiple xaxis labels
Posted by David Fanning on Mon, 28 Jan 2008 17:19:04 GMT

Brian Larsen writes:

> OK, so I have not found the good solution for making multiple labels
> on an axis. The example I am trying to emulate is:
> http://sprg.ssl.berkeley.edu/fast/sumplotProg/sumplotsLink/o
rbit_links/2008/46118/2008_01_24/fa_k0_ees_46118_is.gif
>
> It seems that I cant figure out how to:
> - put them in the right place with xyouts
> - line them up nicely
> - make sure they are in the right place
>
> Has anyone done this with good success?
>
> I know how with separate axes like: http://www.dfanning.com/graphics_tips/wavenumber.html
> but on the same axis has got me more boggled.

Well, I would use the information in !Y.CRANGE (data
coordinates) or in !Y.WINDOW (normalized coordinates)
to help me align the extra annotation in the Y direction
(ALIGN=0.5 on your XYOUTS command, after you rotate it).

Positioning in the X direction is usually done more
empirically. (That is to say, you have to try it 2-3 times,
usually.) But if you base if off of !X.CRANGE[0] or
!X.WINDOW[0] you can usually find the right place in a matter
of seconds.

Cheers,

David
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Coyote's Guide to IDL Programming (www.dfanning.com)
Sepore ma de ni thui. ("Perhaps thou speakest truth.")