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Subject: Re: Axes seemingly ignoring xtickinterval  
Posted by [John Coxon](#) on Fri, 12 Oct 2012 14:54:42 GMT  
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I've arrived at a fix that makes me happy (or at least works, which is 90% the same thing).

On 12/10/2012 14:13, John Coxon wrote:

> I'm using label\_date to plot the bottom (AL and AU) panel, which comes  
> out at the correct timescale. Since I don't want labels on the other  
> panels I simply set xtickinterval to 1/24 (an hour). I set xminor to 6  
> in both cases because I want 10 minute intervals.

I'm plotting three hours, so setting xtickinterval to 1.0/24.0 would generate 3 tick intervals. Replacing the xtickinterval command with xticks = 3 worked to generate exactly what I wanted it to; I don't pretend to understand why IDL could do it one way and not the other.

> The AL/AU panel generates the correct timescale, but every other panel  
> seems to generate a different, wrong timescale using the code below. It  
> seems to be shifted to the left by 15 minutes or so (although I could be  
> reading it wrong). If I include the label\_date code in the other panels  
> they generate the correct timescale but with unwanted labels.  
>  
> What am I doing wrong? Why is the following code generating two  
> different timescales for the different panels and how do I stop this? If  
> the only answer is to switch to using label\_date on each panel, how do I  
> suppress the labels that label\_date generates?

I also now realise that it wasn't label\_date resulting in labels, per se: it was xtickunits. xtickunits appears to ignore any user preference in xticknames, which I'll bear in mind.

Sorry to waste all your time!

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John Coxon  
<http://www.chickensin envelopes.net/>

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