
Subject: Re: Axes seemingly ignoring xtickinterval
Posted by [John Coxon](#) on Fri, 12 Oct 2012 13:18:46 GMT
[View Forum Message](#) <> [Reply to Message](#)

Hi again,

Two clarifications:

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

- > Link to PDF of result of plot:
- > <https://dl.dropbox.com/u/3775836/exampleplot.pdf>

The data would appear to be where it should be. For instance, I know the uptick in SYM-H is seen at the same time as the uptick in AL/AU, so I can confirm that the lines are on the same timescale; it's just the scales/tickmarks IDL is drawing which are wrong. The data's fine!

- > julMinor = 6

This is 'xMinor' in the code.

--
John Coxon
<http://www.chickensinenvelopes.net/>

Subject: Re: Axes seemingly ignoring xtickinterval
Posted by [John Coxon](#) on Fri, 12 Oct 2012 14:54:42 GMT
[View Forum Message](#) <> [Reply to Message](#)

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!

--

John Coxon

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