Subject: Re: data as x-axis
Posted by Mark Hadfield on Wed, 06 Feb 2002 22:26:24 GMT
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"Dirk Burose" <dirk.burose@uni-bonn.de> wrote in message
news:3c61a43a@news.wau.nl...
> Hi all,
> I am using the plot or xplot command to plot an ascii dataset.

An ascii dataset? Ascii is an encoding for character data. Are you plotting
these data as numbers or strings?

> Now I would like to use another dataset as a x-axis, but by
> now I have no idea how to do
> that. The data I like to use are 10 min intervals for several days.
> Any suggestions how to do it?

You mean you want to use the other dataset for x-axis labels? Plot has an
XTICKNAME keyword that will set the tick labels. But if you plot at 10
minute intervals you will have far too many labels to be able to see them.

Or do you mean you want to use the other dataset to specify the x position
of the data points? That's easy. If PLOT is called with one argument, that
argument specifies the Y position of the points on the plot; if it is called
with 2 arguments, those arguments specify the X & Y positions respectively.
So instead of

  plot, y

use

  plot, x, y

If you want the X axis to show date & time of day, you need to convert the
time (x) data to a standard form called Julian Day number. There's a section
in the manual on this.

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