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Subject: Re: plotting with respect to time  
Posted by [Haje Korth](#) on Tue, 08 Jul 2003 17:28:42 GMT  
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Megan,  
Check the online help for the 'LABEL\_DATE' function. It will do exactly what you want.

haje

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"Megan" <[msgentry@unity.ncsu.edu](mailto:msgentry@unity.ncsu.edu)> wrote in message  
news:3f101107.0307080817.2e44fda7@posting.google.com...  
> I'm having some trouble making graphs in IDL. I have a program where I've  
> calculated a growth rate of a quantity for certain intervals of time.  
> I'm trying to graph my results now. Basically I have two arrays, one with  
> the growth rates and the other with the julian times corresponding to  
them.  
> The interval between measurements is a few minutes, and it is  
> irregular. Is there a certain plot function or command that will allow me  
> to plot my results with regular times as the x-axis labels.  
> Ideally, since the measurements are every few minutes, I'd like to have it  
> with the hour, minute, and second along the x-axis of the graph.  
> Thanks for your help,  
> Megan

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Subject: Re: plotting with respect to time  
Posted by [Mark Hadfield](#) on Tue, 08 Jul 2003 21:50:31 GMT  
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"Megan" <[msgentry@unity.ncsu.edu](mailto:msgentry@unity.ncsu.edu)> wrote in message  
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I recommend you check out the C() (calendar) format codes. In IDLDE, type "?format codes".

With intervals of a few minutes you will need to ensure that your time data are in double precision and are plotted that way. IDL has supported double-precision plotting for a few versions now. In Direct Graphics all you need to do to activate it (I think) is to supply double-precision data. In Object Graphics, your IDLgrView needs to have the DOUBLE keyword set.

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Mark Hadfield            "Ka puwaha te tai nei, Hoesa tatou"  
m.hadfield@niwa.co.nz  
National Institute for Water and Atmospheric Research (NIWA)

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Subject: Re: plotting with respect to time  
Posted by [msgentry](#) on Wed, 09 Jul 2003 16:14:40 GMT  
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Thanks! My plots are coming out fine now.  
Megan

msgentry@unity.ncsu.edu (Megan) wrote in message  
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