Subject: Re: plot axis problem? Posted by Wox on Wed, 01 Aug 2007 08:18:06 GMT

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On Wed, 01 Aug 2007 05:40:26 -0000, metachronist <rkombiyil@gmail.com> wrote:

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> IDL Gurus,
> I think this is too trivial.. but anyways I can't get it right :(
>
> IDL> time=[22.,23.,0.,1.,2.,3.,4.,5.,6.,7.]
> IDL> field=[4.2,56.7,89.34,22.,0.,43.5,10.,2.,33.,-10.5]
>
> So the time values start at 2200hrs and then go past midnight and then
> to 0700hrs in the morning. How would I "force" the 'x' axis (time) to
> start at 22hrs goto (midnight) Ohrs and then increase to 7hrs? I
> found out that setting xrange wouldn't help either since the decrease
> (increase in terms of time) from 2200hrs --> 2400hrs(0hrs) is IDL way?
> Like (22,20,18,....0,2,...8), as a result, nothing gets plotted :(
> Thanks for any suggestions,
> /rk
Well, you could change the thick names:
time=[22.,23.,0.,1.,2.,3.,4.,5.,6.,7.]
field=[4.2,56.7,89.34,22.,0.,43.5,10.,2.,33.,-10.5]
n=n elements(time)
ind=where(time[1:*] It time[0:n-2],ct)
time2=time
for i=0,ct-1 do time2[ind[i]+1:*]+=24
```

plot,time2,field,XTICKN=strtrim(fix(time),2)+'hrs'