
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:

```
> 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) 0hrs 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 tick 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:]*] lt 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'
```
