
Subject: Re: I'm a beginner, IDL question plot, max_value
Posted by [David Fanning](#) on Thu, 25 Oct 2012 23:06:19 GMT
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Mati writes:

```
> I've got an ascii file with lots of rows and columns, I must select 2 columns,x and y,plot them
> and set max and min value to exclude bad data points.
> Here is what I've made(it works,but I don't know if it's the best way to do it):
>
> data=read_ascii("")
> x=data.field01[6,*]
> y=data.field01[14,*]
> plot,x,y,max_value=40,min_value=0
>
> the problem is: max_value and min_value gives extremes to pick up data only for y
variable...how can I do to set also max_value and min_value for x???
```

You typically set the XRange keyword to change the x values that are plotted on the plot. You have to be careful, though, since IDL will "autoscale" the axes. This is sometimes what you want and sometimes not. If you want to turn it off, you also have to set the [XY]Style keywords:

```
cgPlot, x, y, XRange=[20,64], YRange=[0,40], XStyle=1, YStyle=1
```

Sometimes, it is easier to just do this interactively by drawing a rubberband box around the part of the plot you want to "zoom into":

```
cgZPlot, x, y
```

Cheers,

David

--
David Fanning, Ph.D.
Fanning Software Consulting, Inc.
Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
Sepore ma de ni thue. ("Perhaps thos speakest truth.")

Subject: Re: I'm a beginner, IDL question plot, max_value
Posted by [chris_torrence@NOSPAM](#) on Fri, 26 Oct 2012 20:00:42 GMT
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On Thursday, October 25, 2012 5:06:18 PM UTC-6, David Fanning wrote:

> Mati writes:

>
>
>

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>
> David
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>
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>
>
> --
>
> David Fanning, Ph.D.
>
> Fanning Software Consulting, Inc.
>
> Coyote's Guide to IDL Programming: <http://www.dfanning.com/>
>
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Or, in new graphics:

```
p = plot(findgen(100), randomu(seed,100), xrange=[10,90], yrange=[0.2,0.8])
```

:-)
