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Subject: YRAANGE

Posted by [Ali Gamal](#) on Mon, 06 Jun 2016 13:40:59 GMT

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Hi,

I plot with yrange=[500,-300] but program produce y range as 400, 200, 0. but I want to make it as 500,0,-500,-1000 (I want to control with range)  
how can I do it?

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Subject: Re: YRAANGE

Posted by [wlandsman](#) on Mon, 06 Jun 2016 15:31:03 GMT

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On Monday, June 6, 2016 at 9:41:01 AM UTC-4, AGW wrote:

> Hi,

> I plot with yrange=[500,-300] but program produce y range as 400, 200, 0. but I want to make it as 500,0,-500,-1000 (I want to control with range)

> how can I do it?

I am not sure I understand what you want and I don't know if you are using the plot function or the old plot procedure, but setting ystyle =1 will force the plot to use the exact Y range rather than rounding

plot,indgen(600)-200,yrange=[500,-200],ystyle=1

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Subject: Re: YRAANGE

Posted by [Ali Gamal](#) on Mon, 06 Jun 2016 20:50:26 GMT

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On Monday, June 6, 2016 at 3:41:01 PM UTC+2, AGW wrote:

> Hi,

> I plot with yrange=[500,-300] but program produce y range as 400, 200, 0. but I want to make it as 500,0,-500,-1000 (I want to control with range)

> how can I do it?

I want to say in y axis appears range as 400, 200, 0. etc I want to make it appears as 500,0,-500,-1000 in all cases YRANGE=[500,-3000]. In other words I want to control with numbers on Y range as every 500 or 200 ...

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Subject: Re: YRAANGE

Posted by [Michael Galloy](#) on Tue, 07 Jun 2016 02:17:38 GMT

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On 6/6/16 2:50 pm, AGW wrote:

> On Monday, June 6, 2016 at 3:41:01 PM UTC+2, AGW wrote:  
>> Hi, I plot with yrange=[500,-300] but program produce y range as  
>> 400, 200, 0. but I want to make it as 500,0,-500,-1000 (I want to  
>> control with range) how can I do it?  
>  
> I want to say in y axis appears range as 400, 200, 0. etc I want to  
> make it appears as 500,0,-500,-1000 in all cases YRANGE=[500,-3000].  
> In other words I want to control with numbers on Y range as every 500  
> or 200 ...  
>

I'm still a bit confused, but I think you mean that you want to control  
the y-axis range (YRANGE) and the y-axis tick mark locations (YTICKV), i.e.:

```
plot, findgen(20) * 20, yrange=[0, 500], ytickv=findgen(11) * 50, $  
yticks=10, yminor=5
```

This makes the y-axis range 0 to 500 and places a tickmark every 50. But  
you could do something more exotic, e.g.:

```
plot, findgen(20) * 20, yrange=[0, 500], $  
ytickv=[0., 100., 125., 150., 175., $  
200., 250., 300., 400., 450., 500.], $  
yticks=10, yminor=5
```

Mike

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Michael Galloy

[www.michaelgalloy.com](http://www.michaelgalloy.com)

Modern IDL: A Guide to IDL Programming (<http://modernidl.idldev.com>)

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Subject: Re: YRAANGE

Posted by [lecacheux.alain](#) on Tue, 07 Jun 2016 07:54:56 GMT

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Le lundi 6 juin 2016 22:50:29 UTC+2, AGW a écrit :

> On Monday, June 6, 2016 at 3:41:01 PM UTC+2, AGW wrote:  
>> Hi,  
>> I plot with yrange=[500,-300] but program produce y range as 400, 200, 0. but I want to make  
it as 500,0,-500,-1000 (I want to control with range)  
>> how can I do it?  
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> I want to say in y axis appears range as 400, 200, 0. etc I want to make it appears as  
500,0,-500,-1000 in all cases YRANGE=[500,-3000]. In other words I want to control with numbers  
on Y range as every 500 or 200 ...

```
pl = plot(your_data, YRANGE=[500,-1000], YTICKINTERVAL=500)
```

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Subject: Re: YRAANGE

Posted by [Ali Gamal](#) on Tue, 07 Jun 2016 20:13:04 GMT

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On Monday, June 6, 2016 at 3:41:01 PM UTC+2, AGW wrote:

> Hi,

> I plot with yrange=[500,-300] but program produce y range as 400, 200, 0. but I want to make it as 500,0,-500,-1000 (I want to control with range)

> how can I do it?

thanks a lot

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