
Subject: How to use ploterror procedure in idl with no xerror bars?

Posted by [Sonu Tabitha](#) on Thu, 21 Sep 2017 17:47:16 GMT

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I would like to use the ploterror procedure in idl for my plots. I don't have any x error bars. I used the following command

```
ploterror, x , y, yerr,type=3,psym=3
```

But this is giving me horizontal error bars. I tried giving it as

```
ploterror, x , y, xerr,yerr,type=3,psym=3
```

with xerr=0. But this gave me absurd output. Kindly help me in this regard.

Subject: Re: How to use ploterror procedure in idl with no xerror bars?

Posted by [Markus Schmassmann](#) on Fri, 22 Sep 2017 09:57:24 GMT

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On 09/21/2017 07:47 PM, Meegle_Jade wrote:

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> don't have any x error bars. I used the following command

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> with xerr=0. But this gave me absurd output. Kindly help me in this

> regard.

```
; TYPE = type of plot produced. The possible types are:
;     TYPE = 0 :    X Linear - Y Linear (default)
;     TYPE = 1 :    X Linear - Y Log
;     TYPE = 2 :    X Log   - Y Linear
;     TYPE = 3 :    X Log   - Y Log
```

could this be the problem?

If not, I don't understand why the first doesn't work. On the second try

```
xerr = make_array(size=size(x))
```

If you can't make it work consider using

```
plot, x, y, psym=3,/xlog,/ylog
```

```
errplot, x, y-yerr, y+yerr
```

or

cgPlot, x,y,ERR_YLow=yerr, ERR_YHigh=yerr,PSym=3,/xlog,/ylog

good Luck, Markus

Subject: Re: How to use ploterror procedure in idl with no xerror bars?

Posted by [wlandsman](#) on Fri, 22 Sep 2017 13:34:49 GMT

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On Thursday, September 21, 2017 at 1:47:20 PM UTC-4, Meegle_Jade wrote:

> I would like to use the ploterror procedure in idl for my plots. I don't have any x error bars. I used the following command

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> But this is giving me horizontal error bars. I tried giving it as

What size are your horizontal error bars? You are not supplying an xerr vector, so what it is using for the x error bar size?

Are you sure you are not seeing the "hats" that ploterror adds by default to the top and bottom of each symbol? How does the plot look without "hats"?

ploterror,x,y,yerr,type=3,psym=3,/nohat

Wayne
