
Subject: Labeling Lines of Data
Posted by [Ali Gamal](#) on Tue, 26 Apr 2016 13:27:28 GMT
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Hi,

I have IDL program as

```
file='/home/1.out'
openr,1,file
nh=50
falc=fltarr(11,nh)
readf,1,falc
tau5000=falc(0,*)
dep1=falc(1,*)
dep2=falc(2,*)
dep3=falc(3,*)
dep4=falc(4,*)
dep5=falc(5,*)
dep6=falc(6,*)
dep7=falc(7,*)
dep8=falc(8,*)
dep9=falc(9,*)
dep10=falc(10,*)
```

```
cgPLOT, tau5000, dep1,xrange=[-4.9,0.85],yrange=[-1.5,0.8],Thick=2,xstyle=2
```

```
plots,1,1,/continue
OPLOT,tau5000,dep2,linestyle=0 ;2
OPLOT,tau5000,dep3,linestyle=0 ;3
OPLOT,tau5000,dep4,linestyle=0 ;4
OPLOT,tau5000,dep5,linestyle=0 ;5
OPLOT,tau5000,dep6,linestyle=0 ;6
OPLOT,tau5000,dep7,linestyle=0 ;7
OPLOT,tau5000,dep8,linestyle=0 ;8
OPLOT,tau5000,dep9,linestyle=0 ;9
OPLOT,tau5000,dep10,linestyle=0 ;10
*****
```

I want to label dep1, 2, 3 and so on as 'dep1', 'dep2'

How can I do it

Subject: Re: Labeling Lines of Data
Posted by [wlandsman](#) on Tue, 26 Apr 2016 16:32:46 GMT
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First, two pieces of advice to avoid future troubles.

1. Don't subscript with parentheses but use square brackets `tau5000=falc[0,*]`
Parentheses were deprecated starting in 1997.

2. Don't mix Coyote graphics and standard graphics. If you use `cgPLOT` then also use `cgOPLOT`

Use `CGTEXT` to label your lines. You can either supply the X,Y coordinates where you want the label to appear, or use the `/PLACE` keyword to interactively place them with your cursor.

On Tuesday, April 26, 2016 at 9:27:31 AM UTC-4, Ali Gamal wrote:

```
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>
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> cgPLOT, tau5000, dep1,xrange=[-4.9,0.85],yrange=[-1.5,0.8],Thick=2,xstyle=2
>
> plots,1,1,/continue
> OPLOT,tau5000,dep2,linestyle=0 ;2
> OPLOT,tau5000,dep3,linestyle=0 ;3
> OPLOT,tau5000,dep4,linestyle=0 ;4
> OPLOT,tau5000,dep5,linestyle=0 ;5
> OPLOT,tau5000,dep6,linestyle=0 ;6
> OPLOT,tau5000,dep7,linestyle=0 ;7
> OPLOT,tau5000,dep8,linestyle=0 ;8
> OPLOT,tau5000,dep9,linestyle=0 ;9
> OPLOT,tau5000,dep10,linestyle=0 ;10
> *****
> I want to label dep1, 2, 3 and so on as 'dep1', 'dep2'
>
> How can I do it
```

Subject: Re: Labeling Lines of Data

Posted by [Ali Gamal](#) on Tue, 26 Apr 2016 18:48:21 GMT

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On Tuesday, April 26, 2016 at 3:27:31 PM UTC+2, Ali Gamal wrote:

```
> Hi,
>
> I have IDL program as
> *****
> file='/home/1.out'
> openr,1,file
> nh=50
> falc=fltarr(11,nh)
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> dep4=falc(4,*)
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> OPLOT,tau5000,dep2,linestyle=0 ;2
> OPLOT,tau5000,dep3,linestyle=0 ;3
> OPLOT,tau5000,dep4,linestyle=0 ;4
> OPLOT,tau5000,dep5,linestyle=0 ;5
> OPLOT,tau5000,dep6,linestyle=0 ;6
> OPLOT,tau5000,dep7,linestyle=0 ;7
> OPLOT,tau5000,dep8,linestyle=0 ;8
> OPLOT,tau5000,dep9,linestyle=0 ;9
> OPLOT,tau5000,dep10,linestyle=0 ;10
> *****
> I want to label dep1, 2, 3 and so on as 'dep1', 'dep2'
>
> How can I do it
```

Thanks a lot, I want to make my program determine X, Y at end of each plot, How can I do It ?
I tried to make y=dep1 ot 2 but it did not work correctly

Subject: Re: Labeling Lines of Data

Posted by [Jeremy Bailin](#) on Thu, 28 Apr 2016 17:32:11 GMT

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On Tuesday, April 26, 2016 at 1:48:23 PM UTC-5, Ali Gamal wrote:

> On Tuesday, April 26, 2016 at 3:27:31 PM UTC+2, Ali Gamal wrote:

>> Hi,

>>

>> I have IDL program as

>> *****

>> file='/home/1.out'

>> openr,1,file

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>> dep4=falc(4,*)

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>> dep10=falc(10,*)

>>

>> cgPLOT, tau5000, dep1,xrange=[-4.9,0.85],yrange=[-1.5,0.8],Thick=2,xstyle=2

>>

>> plots,1,1,/continue

>> OPLOT,tau5000,dep2,linestyle=0 ;2

>> OPLOT,tau5000,dep3,linestyle=0 ;3

>> OPLOT,tau5000,dep4,linestyle=0 ;4

>> OPLOT,tau5000,dep5,linestyle=0 ;5

>> OPLOT,tau5000,dep6,linestyle=0 ;6

>> OPLOT,tau5000,dep7,linestyle=0 ;7

>> OPLOT,tau5000,dep8,linestyle=0 ;8

>> OPLOT,tau5000,dep9,linestyle=0 ;9

>> OPLOT,tau5000,dep10,linestyle=0 ;10

>> *****

>> I want to label dep1, 2, 3 and so on as 'dep1', 'dep2'

>>

>> How can I do it

>

> Thanks a lot, I want to make my program determine X, Y at end of each plot, How can I do It ?

> I tried to make y=dep1 ot 2 but it did not work correctly

If you just mean the last value, then you can use

y = dep1[N_ELEMENTS(dep1)-1]

-Jeremy.
