## Subject: xyouts precision
Posted by Krista on Thu, 03 Mar 2005 21:06:00 GMT

Hello All,

I am trying to add a second label to the y-axis of a plot using xyouts.
However, the units of my x-axis are in Julian days and xyouts will not
let me place my label more precisely than one decimal point. Is there a
way to get a more precise placement or a better way to add the second
label? Thanks.

## Subject: Re: xyouts precision
Posted by R.Bauer on Fri, 04 Mar 2005 09:11:39 GMT

Krista wrote:

> Hello All,
>
> I am trying to add a second label to the y-axis of a plot using xyouts.
> However, the units of my x-axis are in Julian days and xyouts will not
> let me place my label more precisely than one decimal point. Is there a
> way to get a more precise placement or a better way to add the second
> label? Thanks.

Dear Krista,

I am not sure to understand right but probably this is the solution
plot,findgen(10),ytitle='first!Csecond'

The !C is used for the linebreak

cheers
Reimar

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Forschungszentrum Juelich
email: R.Bauer@fz-juelich.de
http://www.fz-juelich.de/icg/icg-i/
 ============================================================ ======
a IDL library at ForschungsZentrum Juelich
 http://www.fz-juelich.de/icg/icg-i/idl_icglib/idl_lib_intro. html

## Subject: Re: xyouts precision

Posted by Krista on Fri, 04 Mar 2005 20:03:58 GMT

Reimar,

Thank you for the help; your suggestion worked perfectly!  The
linebreak feature will come in handy.  Thanks again.

Krista

## Subject: Re: xyouts precision
Posted by Ken Mankoff on Sat, 05 Mar 2005 18:20:38 GMT

On Thu, 3 Mar 2005, Krista wrote:
> I am trying to add a second label to the y-axis of a plot using
> xyouts. However, the units of my x-axis are in Julian days and
> xyouts will not let me place my label more precisely than one
> decimal point. Is there a way to get a more precise placement or a
> better way to add the second label? Thanks.

I don't understand the xyouts problem you are having.
What means
> One decimal point precision
?

I get higher precision:
plot, indgen(10)
xyouts, 4, 2, 'hello world'
xyouts, 4.2, 2, 'hello world'
xyouts, 4.21, 2, 'hello world'
Are you in PS? X? using /DATA, /NORMAL, /DEVICE?

Some other useful font resources:
http://physweb.mnstate.edu/mcraig/TeXtoIDL/
 http://www.astro.washington.edu/deutsch-bin/idllibsrch?keywo rd=font
http://www.dfanning.com/graphics_tips/lesign.html

  -k.

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http://spacebit.dyndns.org/

## Subject: Re: xyouts precision
Posted by Craig Markwardt on Tue, 08 Mar 2005 14:38:28 GMT

andrew.cool@dsto.defence.gov.au (Andrew Cool) writes:

> Reimar Bauer <R.Bauer@fz-juelich.de> wrote in message
news:<d097n5$hj6$2@zam602.zam.kfa-juelich.de>...
>
> [snip]
>>
>> Dear Krista,
>>
>> I am not sure to understand right but probably this is the solution
>> plot,findgen(10),ytitle='first!Csecond'
>>
>> The !C is used for the linebreak
>>
>> cheers
>> Reimar
>
> Well!! After 14 years of using IDL, I never knew this!
> And I wish I had found this out back in 1991.

I use this all the time.   It's great.

One useful way to get "top-right" justified labels on graphs is to do
something like this,

  xyouts, !x.crange(1), !y.crange(1), /data, '!CLabel Text  ', align=1.0

The real trick is the "!C" in front.  Normally, a Y coordinate of
!Y.CRANGE(1) would put the text above the top of the graph, but by
putting a carriage return, the text appears just below the top, inside
the graph.

The ALIGN=1.0 keyword puts the text against the right side of the
graph, and the few "  " spaces at the end give it a bit of a margin.

Craig

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Craig B. Markwardt, Ph.D.     EMAIL: craigmnet@REMOVEcow.physics.wisc.edu
Astrophysics, IDL, Finance, Derivatives | Remove "net" for better response
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