
Subject: Re: How to plot multiple charts and ho to round float to specific precision?

Posted by [Paul Van Delst\[1\]](#) on Thu, 28 Jul 2005 22:45:28 GMT

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Benjamin Hornberger wrote:

> Paul Van Delst wrote:

>

>> liko2@o2.pl wrote:

>>

>>> No, it has to be a value of variable, later used for a part of title of

>>> a chart. So it has to be exact value with only 2 digits after zero.

>>>

>>

>> Given your floating point variable,

>>

>> IDL> x=23.45654

>> IDL> print, x

>> 23.4565

>>

>> you can stick it into a string variable

>>

>> IDL> cx=string(x,format='(f15.2)')

>> IDL> help, cx

>> CX STRING = ' 23.46'

>>

>> Note I used the format f15.2 since you might have a number like

>>

>> IDL> y=7140264.38264

>> IDL> cy=string(y,format='(f15.2)')

>> IDL> help, cy

>> CY STRING = ' 7140264.38'

>>

>> You'll want to leave enough room up front (via the "15" in f15.2) for

>> the extra digits.

>>

>> And then you can crop the above results to your heart's content:

>>

>> IDL> help, strtrim(cx,2), strtrim(cy,2)

>> <Expression> STRING = '23.46'

>> <Expression> STRING = '140264.38'

>>

>> for your plot titles.

>>

>> paulv

>>

>

> Can't you just use a "0" in the format string ('(f0.2)') instead of

> using a large number first and then trimming the string?

I tried that first (based on your original post) but it didn't work for me.

```
IDL> print, !version
{ x86 linux unix linux 6.0.3 Feb 26 2004   32   64}
IDL> x=23.45654
IDL> cx=string(x,format='(f0.2)')
IDL> help, cx
CX          STRING   = '23.456539'
IDL> y=7140264.38264
IDL> cy=string(y,format='(f0.2)')
IDL> help, cy
CY          STRING   = '7140264.500000'
```

Dunno why not.

paulv

--

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