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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