Subject: Re: Axis labeling trickery
Posted by suicidaleggroll on Mon, 09 Sep 2013 22:33:10 GMT
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On Monday, September 9, 2013 3:59:10 PM UTC-6, Paul Levine wrote:
> On 2013-09-07 19:56:40 +0000, Fabien said:
>
>
>
>> Hi,
>
>>
>
>> I am not sure to understand the problem but I know that label_date can
>
>> be very annoying sometimes ...
>
>>
>
>> What about doing the same, but without label_date?
>
>>
>
>>   time = timegen(120,start=julday(1,1,2003), units='M', step_size=1)
>
>>   data = 20*randomu(seed,n_elements(time))-10
>
>>   ; Without "label_date"
>
>>   x_name = STRING(INDGEN(11) + 2003, FORMAT='(I04)')
>
>>   x_locs = timegen(11,start=julday(1,1,2003), units='Y', step_size=1)
>
>>   cgPlot, time, data, xrange=[julday(1,1,2003),julday(1,1,2013)], $
>
>> XTICKV=x_locs, XTicks=10, XTICKNAME=x_name
>
>>
>
>> Cheers,
>
>>
>
>> Fab
>
>
>
>
> Thank you for the suggestion. But that gives the same result as my

>
> first example
>
>
>
> time = timegen(120,start=julday(1,1,2003), units='M', step_size=1)
>
> data = 20*randomu(seed,n_elements(time))-10
>
> void = Label_Date(Date_Format='%Y')
>
> cgPlot, time, data, xrange=[julday(1,1,2003),julday(1,1,2013)],
>
> XTickFormat='Label_Date', XTicks = 10
>
>
>
> in which there is a label at the "end" of the x-axis for the 11th year.
>
> I guess what I am wanting to do is to have 10 tick intervals, but only
>
> 10 labels, with the 11th tick mark remaining unlabeled. If it can't be
>
> done from within the plot or axis routines, I will just have to use
>
> xyouts (or cgText).

Why not just use xtickv and xtickname to put the labels you want, where you want, called what you want.

```
years=indgen(10)+2003
xtickv=julday(1,1,years,0)
xtickname=string(years,format='(i4.4)')
plot, time, data, xrange=julday(1,1,[2003,2013]), xtickv=xtickv, xtickname=xtickname,
xticks=n_elements(xtickv)-1
```

or similar